BUNCOMBE COUNTY SCHOOLS

NORTH BUNCOMBE HIGH SCHOOL PRE-K CLASSROOM

890 CLARKS CHAPEL ROAD
WEAVERVILLE, NC 28787

LEGEND

SECTION NO. / SHEET NO.
DETAIL NO. / SHEET NO.
EXTERIOR ELEV. NO. / SHEET NO.
1/A1.0 — SHEET NO. / INTERIOR ELEV. NO.
ROOM NAME 0001 — ROOM NUMBER / FINISH DESIGNATOR
(0001) — DOOR NUMBER
W1 — WINDOW KEY
F1 — FRAME KEY
L1 — LOUVER KEY
D1 R1 — DEMO/REVISION KEY
S — SOUND ATTENUATION PARTITION TAG
ELEVATION

CMU
CONCRETE
BRICK
BATT INSULATION
RIGID INSULATION
CRUSHED STONE
ROUGH CARPENTRY
FINISH CARPENTRY
GWB
STONE
SHEATHING
STEEL
PLYWOOD
CR — CARD READER

ABBREVIATIONS

ABV.	ABOVE
ACT	ACOUSTICAL CEILING TILE
@	AT
A.B.	ANCHOR BOLT
A/C	AIR CONDITIONING
ACOUST.	ACOUSTICAL
ADJ.	ADJACENT
ALUM.	ALUMINUM
APPROX.	APPROXIMATE
ARCH.	ARCHITECT (URAL)
∠	ANGLE
BD.	BOARD
BTWN.	BETWEEN
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
BOT.	BOTTOM
BRG.	BEARING
CG	CORNER GUARD
C.I.	CAST IRON
C.J.	CONTROL JOINT
C.L.	CENTER LINE
CLR.	CLEAR
CLG.	CEILING
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
COND.	CONDENSER
CONT.	CONTINUOUS
CONST.	CONSTRUCTION
CTR.	CENTER
CHAN.	CHANNEL
DBL.	DOUBLE
DEMO.	DEMOLITION
DTL.	DETAIL
DIA. OR ∅	DIAMETER
DN.	DOWN
DR.	DOOR
DWG.	DRAWING
EA.	EACH
ELEV.	ELEVATION
ELEC.	ELECTRICAL
ENCL.	ENCLOSURE
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXT.	EXTERIOR
EXP.	EXPOSED / EXPANSION
FA	FACE OF (CMU, STUD, ETC.)
F.B.	FIRE BARRIER
F/C	FIBER CEMENT
FLR	FLOOR
FRAM'G	FRAMING
FLUOR.	FLUORESCENT
FIN.	FINISHED
FURR'G	FURRING
FURN.	FURNISHED
F.R.T.	FIRE RETARDANT
FS	FACE OF METAL STUD
FSL	FACE OF FLOOR SLAB
FT.	FOOT
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.C.	FIRE HOSE CABINET
GA.	GAUGE
GALV.	GALVANIZED
GR.	GRADE
GL.	GLASS
GWB	GYPSUM WALL BOARD
HDW.	HARDWARE
H.M.	HOLLOW METAL
HOR.	HORIZONTAL
H.P.	HEIGHT POINT
HT.	HEIGHT
INSUL.	INSULATED (ING)
INT.	INTERIOR
IN.	INCH
JST.	JOIST
LF.	LINEAR FEET
M.B.	MARKER BOARD
MAS.	MASONRY
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTD.	MOUNTED
MTL.	METAL
MST	METAL STUDS
N.A.	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.H.	OVERHEAD
OHG.	OVERHANG
OPG.	OPENING
OPP.	OPPOSITE
PNL.	PANEL
PART'N	PARTITION
PERF.	PERFORATED
PERM.	PERIMETER
POLY.	POLYETHYLENE
PVC	POLYVINYL CHLORIDE
PREFAB.	PREFABRICATED
PTD.	PAINTED
PT. TR.	PRESSURE TREATED
PLYWD.	PLYWOOD
PL.	PLATE
RAD.	RADIUS
R.D.	ROOF DRAIN
REQ'D	REQUIRED
RL	ROOF LEADER
RM.	ROOM
R.O.	ROUGH OPENING
R.X.	REMOVE EXISTING
RE	REINFORCING
SHEATH'G	SHEATHING
SCH.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
SPEC(S)	SPECIFICATION(S)
SQ.	SQUARE
SF	SQUARE FOOT (FEET)
STD.	STANDARD
SS	STAINLESS STEEL
STL.	STEEL
STRUCT.	STRUCTURAL
SUR.	SURFACE
SUSP.	SUSPENDED
T.B.	TACK BOARD
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
THK.	THICK
TYP.	TYPICAL
TEMP.	TEMPERED
U.L.	UNDERWRITER'S LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
V.B.	VAPOR BARRIER
VER.	VERTICAL
V.I.F.	VERIFY IN FIELD
VWC	VINYL WALLCOVERING
VCT	VINYL COMPOSITION TILE
W/	WITH
WD.	WOOD
WDW.	WINDOW
W/O	WITHOUT
WT.	WEIGHT
W.R.	WATER RESISTANT
WWF	WELDED WIRE FABRIC

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2018 N.C. BUILDING CODE SUMMARY

NAME OF PROJECT: NORTH BUNCOMBE HIGH SCHOOL PRE-K CLASSROOM			
ADDRESS: 890 CLARKS CHAPEL ROAD	ZIP CODE: 28787		
OWNER OR AUTHORIZED AGENT: CLARK WYATT - BCS MAINT. DEPT - DIRECTOR	PHONE #: (828) 232-4244 (C)	EMAIL: clark.wyatt@bcsemail.org	
OWNED BY: BUNCOMBE COUNTY SCHOOLS	■ CITY/COUNTY	☐ PRIVATE	☐ STATE
CODE ENFORCEMENT JURISDICTION: BUNCOMBE COUNTY	☐ CITY	■ COUNTY	☐ STATE

CONTACT : SCOTT T. DONALD

DESIGNER:	FIRM:	NAME:	LICENSE #:	TELEPHONE #
ARCHITECTURAL:	PFA ARCHITECTS, PA	SCOTT T. DONALD	6182	(828) 254-1963 x114
CIVIL:	DAVIS CIVIL SOLUTIONS	GARY DEAN DAVIS	12296	(828) 299-9449
ELECTRICAL:	SUD ASSOCIATES, P.A.	DAVID L. BRIGGS	30835	(828) 255-4691
FIRE ALARM:	SUD ASSOCIATES, P.A.	DAVID L. BRIGGS	30835	(828) 255-4691
PLUMBING:	SUD ASSOCIATES, P.A.	JEROME HAY	18486	(828) 255-4691
MECHANICAL:	SUD ASSOCIATES, P.A.	JEROME HAY	18486	(828) 255-4691
SPRINKLERS-STANDPIPE:	N/A	N/A	N/A	N/A
STRUCTURAL:	N/A	N/A	N/A	N/A
RETAINING WALLS > 5' HIGH:	N/A	N/A	N/A	N/A
OTHER:	N/A	N/A	N/A	N/A

2015 NC BUILDING CODE:	☐ NEW BUILDING	☐ SHELL / CORE	☐ 1st TIME INTERIOR COMPLETIONS
	☐ ADDITION	☐ PHASED CONSTRUCTION - SHELL CORE	
2015 NC EXISTING BUILDING CODE:	☐ PRESCRIPTIVE	☐ ALTERATION LEVEL I	☐ HISTORIC PROPERTY
	☐ REPAIR	■ ALTERATION LEVEL II	☐ CHANGE OF USE
	☐ CHAPTER 14	☐ ALTERATION LEVEL III	
CONSTRUCTED (DATE): 1985	CURRENT USE(S) (CH. 3):	9-12 EDUCATION	
RENOVATED (DATE): UNKNOWN	PROPOSED USE(S) (CH. 3):	9-12 EDUCATION WITH NEW PRE-K CLASROOM	
OCCUPANCY CATEGORY (TABLE 1604.5): E	CURRENT: E	PROPOSED: E	

BASIC BUILDING DATA

CONSTRUCTION TYPE (SELECT ALL THAT APPLY)	☐ I-A	☐ II-A	☐ III-A	☐ IV	☐ V-A
	☐ I-B	■ II-B	☐ III-B		☐ V-B
SPRINKLERS:	■ NO	☐ PARTIAL	☐ NFPA 13	☐ NFPA 13R	☐ NFPA 13D
STANDPIPES:	■ NO CLASS:	☐ I	☐ II	☐ III	☐ WET ☐ DRY
PRIMARY FIRE DISTRICT:	■ NO	☐ YES		FLOOD HAZARD AREA:	■ NO ☐ YES
SPECIAL INSPECTION REQUIRED	■ NO	☐ YES			

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ. FEET)	NEW (SQ. FEET)	SUB-TOTAL
3RD FLOOR	N/A	N/A	N/A
2ND FLOOR	N/A	N/A	N/A
MEZZANINE	N/A	N/A	N/A
1ST FLOOR	1,509 RENOVATED SF	NONE	1,509 RENVOATED SF
BASEMENT	N/A	N/A	N/A
TOTAL	1,509 RENOVATED SF	NONE	1,509 RENOVATED SF

ALLOWABLE AREA

PRIMARY OCCUPANCY CLASSIFICATIONS

ASSEMBLY	☐ A-1	☐ A-2	☐ A-3	☐ A-4	☐ A-5
BUSINESS	☐				
EDUCATIONAL	■				
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	☐ I-2	☐ I-3	☐ I-4	
	I-3 CONDITION	☐ 1 ☐ 2			
	I-2 CONDITION	☐ 1 ☐ 2			
	I-3 CONDITION	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5			
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 AND MISCELLANEOUS	■				

ACCESSORY OCCUPANCY CLASSIFICATION(S)

INCIDENTAL USES (TABLE 509)

ROOM OR AREA	SEPARATION AND/OR PROTECTION
☐ FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT	1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER	1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ REFRIGERANT MACHINERY ROOM	1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ HYDROGEN FUEL GAS ROOMS, NOT CLASSIFIED AS GROUP H	1 HR IN GROUP B, F, M, S AND U OCCUPANCIES; 2 HRS IN GROUP A, E, I AND R OCCUPANCIES
☐ INCINERATOR ROOMS	2 HRS ***AND*** PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANICIES OTHER THAN GROUP F	2 HRS, OR 1 HR AND PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ IN GROUP E OCCUPANCIES, LABORATORIES AND VOCATIONAL SHOPS NOT CLASSIFIED AS GROUP H.	1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ IN GROUP I-2 OCCUPANCIES, LABORATORIES NOT CLASSIFIED AS GROUP H	1 HR ***AND*** PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ IN AMBULATORY CARE FACILITIES, LABORATORIES NOT CLASSIFIED AS GROUP H	1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ LAUNDRY ROOMS OVER 100 SQUARE FEET	1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ IN GROUP 1-2, LAUNDRY ROOMS OVER 100 SQUARE FEET	1 HR
☐ IN GROUP 1-2, LAUNDRIES = / < 100 SQUARE FEET	SMOKE RESISTANT CONSTRUCTION AND DOORS
☐ IN GROUP 1-2, COMMERCIAL KITCHENS	SMOKE RESISTANT CONSTRUCTION AND DOORS
☐ IN GROUP 1-2, ROOMS OR SPACES THAT CONTAIN FUEL- FIRED HEATING EQUIPMENT	SMOKE RESISTANT CONSTRUCTION AND DOORS
☐ GROUP 1-3 CELLS AND GROUP I-2 PATIENT ROOMS EQUIPPED WITH PADDED SURFACES	1 HR
☐ IN GROUP 1-2, PHYSIAL PLANT MAINTENANCE SHOPS	1 HR
☐ IN AMBULATORY CARE FACILITIES OR GROUP I-2 OCCUPANCIES, WASTE AND LINEN COLLECTION ROOMS WITH CONTAINERS THAT HAVE AN AGGREGATE VOLUME OF 10 CUBIC FEET OR GREATER	1 HR
☐ IN OTHER THAN AMBULATORY CARE FACILITIES AND GROUP I-2 OCCUPANCIES, WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET	1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
☐ IN OTHER THAN AMBULATORY CARE FACILITIES OR GROUP I-2 OCCUPANCIES, STORAGE ROOMS GREATER THAN 100 SQUARE FEET	1 HR
☐ STATIONARY STORAGE BATTER SYSTEMS HAVING A LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS FOR FLOOD LEAD-ACID, NICKEL CADMIUM OR VLRA, OR MORE THAN 1,000 POUNDS FOR LITHIUM-ION OR LITHIUM METAL POLYMER USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES	1 HR IN GROUP B, F, M, S AND U OCCUPANCIES; 2 HRS IN GROUP A, E, I AND R OCCUPANCIES
☐ FUEL STORAGE ROOMS AND BOILER ROOMS IN PUBLIC SCHOOLS	2 HR (SEE SECTION 430.1)
☐ STORAGE ROOMS UNDERNEATH GRANDSTANDS OR BLEACHER SEATS CONTAINING COMBUSTIBLE OR FLAMMABLE MATERIALS	1 HR

UNCHANGED

☐ INCIDENTAL USE SEPARATION (509)
THIS SEPARATION IS NOT EXEMPT AS A NON-SEPARATED USE (SEE EXCEPTIONS)

SPECIAL USES (CHAP 4 - LIST CODE SECTIONS)

☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415
☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427 ☐ 428 ☐ 429 ☐ 430

SPECIAL PROVISIONS (CHAP 5 - LIST CODE SECTIONS)

☐ 510.2 ☐ 510.3 ☐ 510.4 ☐ 510.5 ☐ 510.6 ☐ 510.7 ☐ 510.8 ☐ 510.9
☐ NO ☐ YES SEPARATION N/A EXCEPTION N/A

☐ 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.

$$\frac{\text{ACTUAL AREA OF OCCUPANCY A}}{\text{ALLOWABLE AREA OF OCCUPANCY A}} + \frac{\text{ACTUAL AREA OF OCCUPANCY B}}{\text{ALLOWABLE AREA OF OCCUPANCY B}} \leq 1$$

$$\frac{-}{-} + \frac{-}{-} = - \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BUILDING AREA PER STUDY (ACTUAL)	(B) TABLE 506.2 [4] AREA	(C) AREA FOR FRONTAGE INCREASE [1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED [2,3]	MAXIMUM BUILDING AREA [4]
UPPER	EDUCATION	UNCHANGED	UNCHANGED	UNCHANGED	EXISTING - UNCHANGED	UNCHANGED
MAIN	EDUCATION	UNCHANGED	UNCHANGED	UNCHANGED	EXISTING - UNCHANGED	UNCHANGED
TOTAL		UNCHANGED	UNCHANGED	UNCHANGED	UNCHANGED	UNCHANGED

1. FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THUS:
   a. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = UNCHANGED (F)
   b. TOTAL BUILDING PERIMETER = UNCHANGED (P)
   c. RATIO (F/P) = UNCHANGED (F/P)
   d. W = MINIMUM WIDTH OF PUBLIC WAY = UNCHANGED (W)
2. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
3. MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x E (506.4)
4. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUSH COMPLY WITH TABLE 406.5.4. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1.
5. FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2

ALLOWABLE HEIGHT:

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCES
BUILDING HEIGHT IN FEET (TABLE 504.3)	40	41'-9"	????
BUILDING HEIGHT IN STORIES (TABLE 504.4)	??	????	????

1. PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" IS NOT BASED ON TABLE 504.5 OR 504.4

FIRE PROTECTION REQUIREMENTS:

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D.	RATING PROVIDED (W/ REDUCTION)*	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
STRUCT. FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	UNCHANGED (>30'-0")	UNCHANGED	UNCHANGED	N/A	N/A	N/A	N/A
BEARING WALLS							
EXTERIOR							
NORTH	> 30'-0"						
EAST	> 30'-0"						
WEST	> 30'-0"						
SOUTH	> 30'-0"						
INTERIOR	> 30'-0"						
NONBEARING WALLS & PARTITIONS							
EXTERIOR							
NORTH	> 30'-0"						
EAST	> 30'-0"						
WEST	> 30'-0"						
SOUTH	> 30'-0"						
INTERIOR WALLS & PARTITIONS							
FLOOR CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS							
FLOOR CEILING ASSEMBLY							
COLUMNS SUPPORTING FLOORS							
ROOF CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS							
ROOF CEILING ASSEMBLY							
COLUMNS SUPPORTING ROOF							
SHAFT ENCLOSURES - EXIT							
SHAFT ENCLOSURES - OTHER							
CORRIDOR SEPARATION							
OCCUPANCY / FIRE BARRIER SEP.							
PARTY/FIRE WALL SEPARATION							
SMOKE BARRIER SEPARATION							
TENANT / DWELLING UNIT / SLEEPING UNIT SEPARATION							
INCIDENTAL USE SEPARATION							

UNCHANGED

* INDICATES 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	NO LIMIT	NO LIMIT	NO LIMIT

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING	☐ NO	■ YES	
EXIT/SIGNS	☐ NO	■ YES	
FIRE/ALARMS	☐ NO	■ YES	
SMOKE DETECTION SYSTEMS	☐ NO	■ YES	☐ PARTIAL:
PANIC HARDWARE	☐ NO	■ YES	

LIFE SAFETY SYSTEM REQUIREMENTS
LIFE SAFETY PLAN SHEET #: LS 1.0

- ☐ FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
- ☐ ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON PLANS)
- ☐ EXTERIOR WALL OPENING AREAS WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
- ☐ EXISTING STRUCTURE WITHIN 30' OF THE PROPOSED BUILDING
- ■ OCCUPANCY USE FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.2)
- ■ OCCUPANT LOADS FOR EACH AREA
- ■ EXIT ACCESS TRAVEL DISTANCES (1017)
- ■ COMMON PATH OF TRAVEL DISTANCES (1006.2.1 & 1006.3.2(1)
- ☐ DEAD END LENGTHS (1020.4)
- ■ CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
- ■ MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMODATE BASED ON EGRESS WIDTH (1005.3)
- ■ ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
- ☐ A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
- ■ 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)
- ☐ 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)

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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED: REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
TOTAL:	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING

PLUMBING FIXTURE REQUIREMENTS - APPLIES TO RENOVATED AREA ONLY

USE		WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS ASSISTED	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES ASSISTED	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXISTING	EXIST GANG TLTS		0	EXIST	EXIST GANG TLTS		0	N/A	EXIST	EXIST
	NEW	3 UNISEX		0	0	3		0	N/A	2	2
	REQUIRED	2		0	0	3		0	N/A	1	1

NOTES AND SPECIAL APPROVALS:
N/A

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.

CLIMATE ZONE: ☐ 3 ☐ 4 ☐ 5

☐ PRESCRIPTIVE (ENERGY CODE) ☐ PERFORMANCE (ENERGY CODE)
☐ PRESCRIPTIVE (ASHRAE 90.1) ☐ PERFORMANCE (ASHRAE 90.1)

UNCHANGED

THERMAL ENVELOPE:	
ROOF/CEILING ASSEMBLY (EACH ASSEMBLY):	
DESCRIPTION OF ASSEMBLY	NO CHANGE
U-VALUE OF TOTAL ASSEMBLY	NO CHANGE
R-VALUE OF INSULATION	NO CHANGE
SKYLIGHT IN EACH ASSEMBLY	NO CHANGE
U-VALUE OF SKYLIGHT	NO CHANGE
TOTAL SQUARE FOOTAGE OF SKYLIGHT IN EACH ASSEMBLY:	NO CHANGE
EXTERIOR WALLS (EACH ASSEMBLY):	
DESCRIPTION OF ASSEMBLY	NO CHANGE
U-VALUE OF TOTAL ASSEMBLY	NO CHANGE
R-VALUE OF INSULATION	NO CHANGE
DESCRIPTION OF ASSEMBLY	NO CHANGE
U-VALUE OF TOTAL ASSEMBLY	NO CHANGE
R-VALUE OF INSULATION	NO CHANGE
OPENINGS (WINDOWS OR DOORS WITH GLAZING:	
U-VALUE OF ASSEMBLY	.52
SHADING COEFFICIENT	.39
PROJECTION FACTOR	.4667
DOOR R-VALUES	.29
WALLS BELOW GRADE (EACH ASSEMBLY):	
DESCRIPTION OF ASSEMBLY	NO CHANGE
U-VALUE OF TOTAL ASSEMBLY	NO CHANGE
R-VALUE OF INSULATION	NO CHANGE
FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY):	
DESCRIPTION OF ASSEMBLY	NO CHANGE
U-VALUE OF TOTAL ASSEMBLY	NO CHANGE
R-VALUE OF INSULATION	NO CHANGE
FLOORS SLAB ON GRADE:	
DESCRIPTION OF ASSEMBLY	NO CHANGE
U-VALUE OF TOTAL ASSEMBLY	NO CHANGE
R-VALUE OF INSULATION	NO CHANGE
HORIZONTAL/VERTICAL REQUIREMENT	NO CHANGE
SLAB HEATED	NO CHANGE

STRUCTURAL DESIGN - DESIGN LOADS:

IMPORTANCE FACTORS:	WIND (I_w)				
	SNOW (I_s)				
	SEISMIC (I_e)				
LIVE LOADS:	ROOF	PSF			
	MEZZANINE N/A	PSF			
	FLOOR				
GROUD SNOW LOAD					
WIND LOAD	BASIC WIND SPEED:	MPH (ASCE-7-05)			
	EXPOSURE CATEGORY:				
	WIND BASE SHEARS (FOR MWFRS)	Vx	Vy		
SEISMIC DESIGN CATEGORY	☐ A	☐ B	☐ C	☐ D	
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:					
OCCUPANCY CATEGORY (TABLE 1604.5)	☐ I	☐ II	☐ III	☐ IV	
SPECTRAL RESPONSE ACCELERATION	S_s - %g	S_1 - %g			
SITE CLASSIFICATION (TABLE 1613.5.2)	☐ A	☐ B	☐ C	☐ D	☐ E F
	DATA SOURCE:	☐ FIELD TEST	☐ PRESUMPTIVE	☐	
BASIC STRUCT. SYSTEMS (CHECK ONE)	☐ BEARING WALL	☐ BUILDING FRAME	☐ MOMENT FRAME	☐ DUAL w/SPECIAL MOMENT FRAME	
	☐ DUAL w/INTERMEDIATE R/C OR SPECIAL STEEL			☐ INVERTED PENDULUM	
SEISMIC BASE SHEAR	Vx -	Vy -			
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	N/A			
SPECIAL INSPECTIONS REQUIRED:	☐ YES	☐ NO			

UNCHANGED

MECHANICAL SUMMARY - MECHANICAL SYSTEMS, SERVICE SYSTEMS, AND EQUIPMENT

THERMAL ZONE	
WINTER DRY BULB	-
SUMMER DRY BULB	-
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	-
SUMMER DRY BULB	-
RELATIVE HUMIDITY	-
BUILDING HEATING LOAD	-
BUILDING COOLING LOAD	-
MECHANICAL SPACING CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT	-
HEATING EFFICIENCY	-
COOLING EFFICIENCY	-
SIZE CATEGORY OF UNIT	-
BOILER	
TOTAL BOILER OUTPUT. IF OVERSIZED SATE REASON	N/A
CHILLER	
TOTAL CHILLER CAPACITY. IF OVERSIZED STATE REASON	N/A
LIST EQUIPMENT EFFICIENCES	-

SEE MECHANICAL DRAWINGS

ELECTRICAL SUMMARY - ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE
ENERGY CODE: ☐ PERSCRIPTIVE ☐ PERFORMANCE
ASHRAE 90.1: ☐ PERSCRIPTIVE ☐ PERFORMANCE

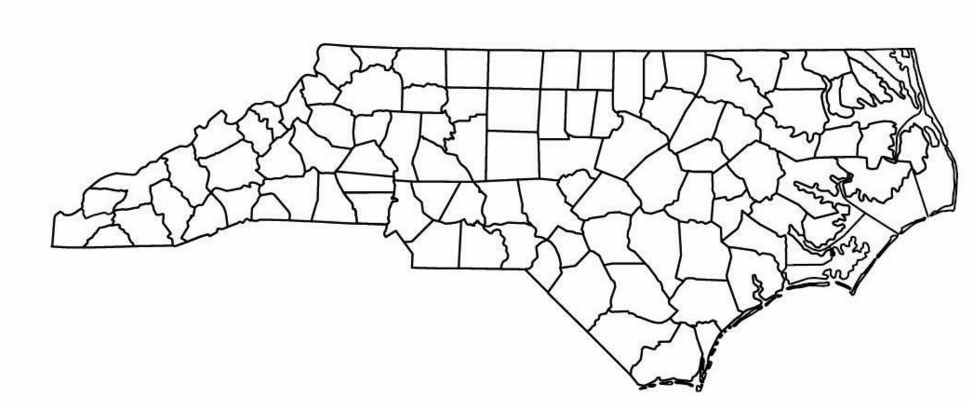
LIGHTING SCHEDULE
- LAMP TYPE REQUIRED IN FIXTURE
- NUMBER OF LAMPS IN FIXTURE
- BALLAST TYPE USED IN THE FIXTURE
- NUMBER OF BALLASTS IN FIXTURE
- TOTAL WATTAGE PER FIXTURE
- TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED
- TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED

ADDITIONAL PRESCRIPTIVE COMPLIANCE
- ☐ 506.2.1 MORE EFFICIENT MECHANICAL EQUIPMENT
- ☐ 506.2.2 REDUCED LIGHTING POWER DENSITY
- ☐ 506.2.3 ENERGY RECOVERY VENTILATION SYSTEMS
- ☐ 506.2.4 HIGHER EFFICIENCY SERVICE WATER HEATING
- ☐ 506.2.5 ON-SITE SUPPLY OF RENEWABLE ENERGY
- ☐ 506.2.6 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS

SEE ELECTRICAL DRAWINGS

SHEET LIST

LOCATION MAP



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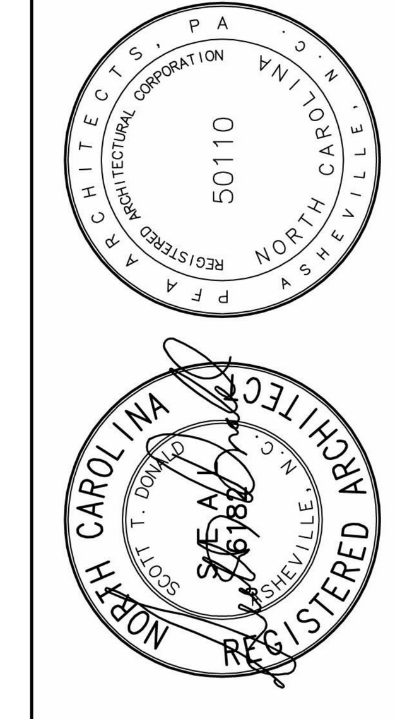

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NORTH BUNCOMBE HIGH SCHOOL
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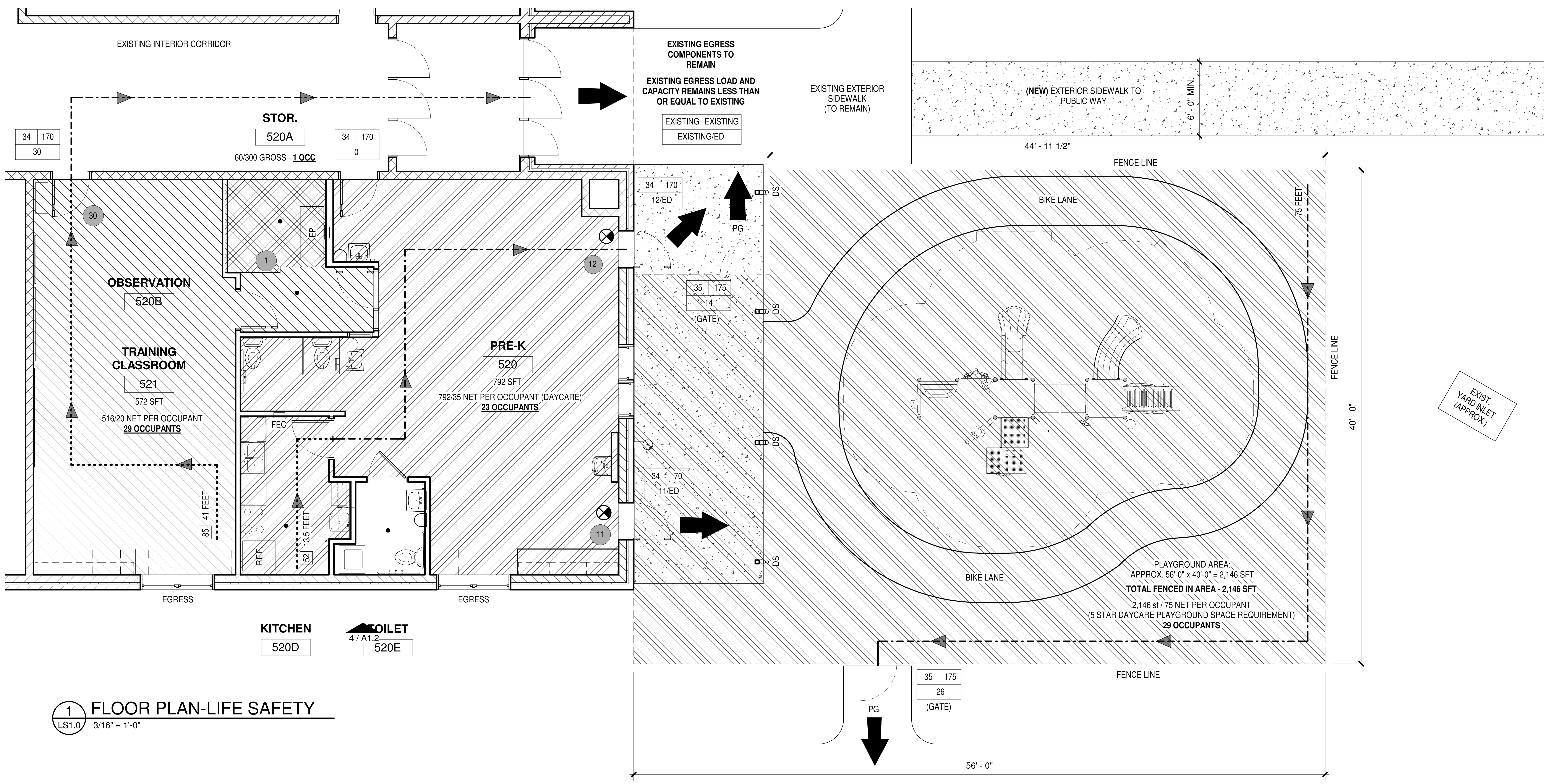
Revisions	
No.	Date

Project Number: 1931
Date: 09/24/2019
Drawn by: RBS

COVER SHEET AND APPENDIX B

Sheet Number:
CS1.0



1 FLOOR PLAN-LIFE SAFETY
LS1.0 3/16" = 1'-0"

LIFE SAFETY PLAN NOTES

1. OCCUPANCY LOADS INHABITING THE RENOVATED CONSTRUCTION DO NOT ADD TO THE CALCULATED EXISTING OCCUPANT LOAD FOR THE BUILDING. NO CHANGES ARE REQUIRED TO EXISTING EGRESS PATHS OR EXISTING OCCUPANT LOAD CALCULATIONS.
2. EGRESS STRATEGY IS FOR ALL OCCUPANTS TO EGRESS FROM THE BUILDING AND THE PLAYGROUND TO THE PUBLIC WAY VIA NEW OR EXISTING SIDEWALK PATHWAYS. A FULLY ACCESSIBLE ROUTE IS LOCATED ADJACENT TO THE BUILDING EXITING THROUGH A GATE TO THE PUBLIC WAY. AT THE GATE TO THE OPPOSITE SIDE, A FULLY ACCESSIBLE ROUTE TO THE PUBLIC WAY BEGINS AT THE FENCE LINE.
3. EMERGENCY EXIT SIGNAGE SHALL BE POSTED AND/OR ATTACHED TO NEW PLAYGROUND GATES.
4. MAGNETIC POOL-TYPE SECURITY MEASURES ARE SPECIFIED FOR THE EXTERIOR PLAYGROUND GATES SO CHILDREN CAN BE SECURE IN NON-EMRGENCY TIMES BUT CARETAKERS CAN ESCORT CHILDREN TO THE PUBLIC WAY IN TIMES OF EMERGENCY.

LIFE SAFETY LEGEND

OCCUPANCY/OCCUPANT LOAD LEGEND

E - EDUCATION OCCUPANCY - GRADE 9-12

SPACE USE = OCCUPANT LOAD:

E - EDUCATIONAL GRADE 9-12 = 20 SF NET/OCC.

E - EDUCATION OCCUPANCY - DAY CARE

SPACE USE = OCCUPANT LOAD:

E - PRESCHOOL = 35 SF NET/OCC

S1 - ACCESSORY STORAGE OCCUPANCY

SPACE USE = OCCUPANT LOAD:

S1-STORAGE, MECHANICAL, UTILITY ROOMS = 300 SF GROSS/OCC.

E - EDUCATION OCCUPANY

SPACE USE = OCCUPANT LOAD:

E - PRESCHOOL, OUTDOOR CLASSROOM SPACE = 75 SF NET/OCC

TOTAL INTERIOR LOAD OF RENOVATED AREA:	53 OCCUPANTS
TOTAL EXTERIOR LOAD OF OCCUPIED PLAYGROUND:	29 OCCUPANTS

SYMBOL LEGEND

- FEC — FIRE EXTINGUISHER CABINET
- EXIT LIGHT
- EXIT DISCHARGE TO EXTERIOR
- PG — EXIT DISCHARGE OF PLAYGROUND OCCUPANTS
- 20/ED — EXIT DEVICE (BLANK IF NOT REQ'D); DOOR RATING (BLANK IF NO RATING)
- 1 FP — PARTITION DESIGNATION FP = FIRE PARTITION; PARTITION RATING IN HOURS
- 34 170 / 156/ED — EGRESS WIDTH; EXIT CAPACITY; EXIT DEVICE (IF PROVIDED); ANTICIPATED LOAD PER CLEAR OPENING
- FACP — FIRE ALARM CONTROL PANEL
- F — PULL STATION
- KB — KNOX BOX
- AV — AUDIO/VISUAL FIRE INDICATOR
- V — VISUAL FIRE INDICATOR
- 2-WAY — TWO WAY COMMUNICATION SYSTEM
- 2-W AP — TWO WAY COMMUNICATION SYSTEM FIRE DEPARTMENT ANUNCIATOR POINT
- 20 — ROOM OCCUPANT LOAD
- 70 XX FEET — COMMON PATH OF TRAVEL; MAXIMUM TRAVEL DISTANCE TO AN EXIT (FEET)
- PATH OF TRAVEL
- 58 SF — ROOM S.F. (MECH., ELEC., DATA, OR STORAGE
- 1 HR RATED WALL INDICATOR

NOTE: NOT ALL LEGEND ITEMS MAY APPLY.
SEE CIVIL LAYOUT FOR EXTENT OF SIDEWALKS, DRIVES AND PARKING.
SEE ELECTRICAL LIGHTING PLANS FOR EMERGENCY EXIT SIGNAGE, EGRESS LIGHTING AND FIRE ALARM SYSTEM DEVICES

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LIFE SAFETY

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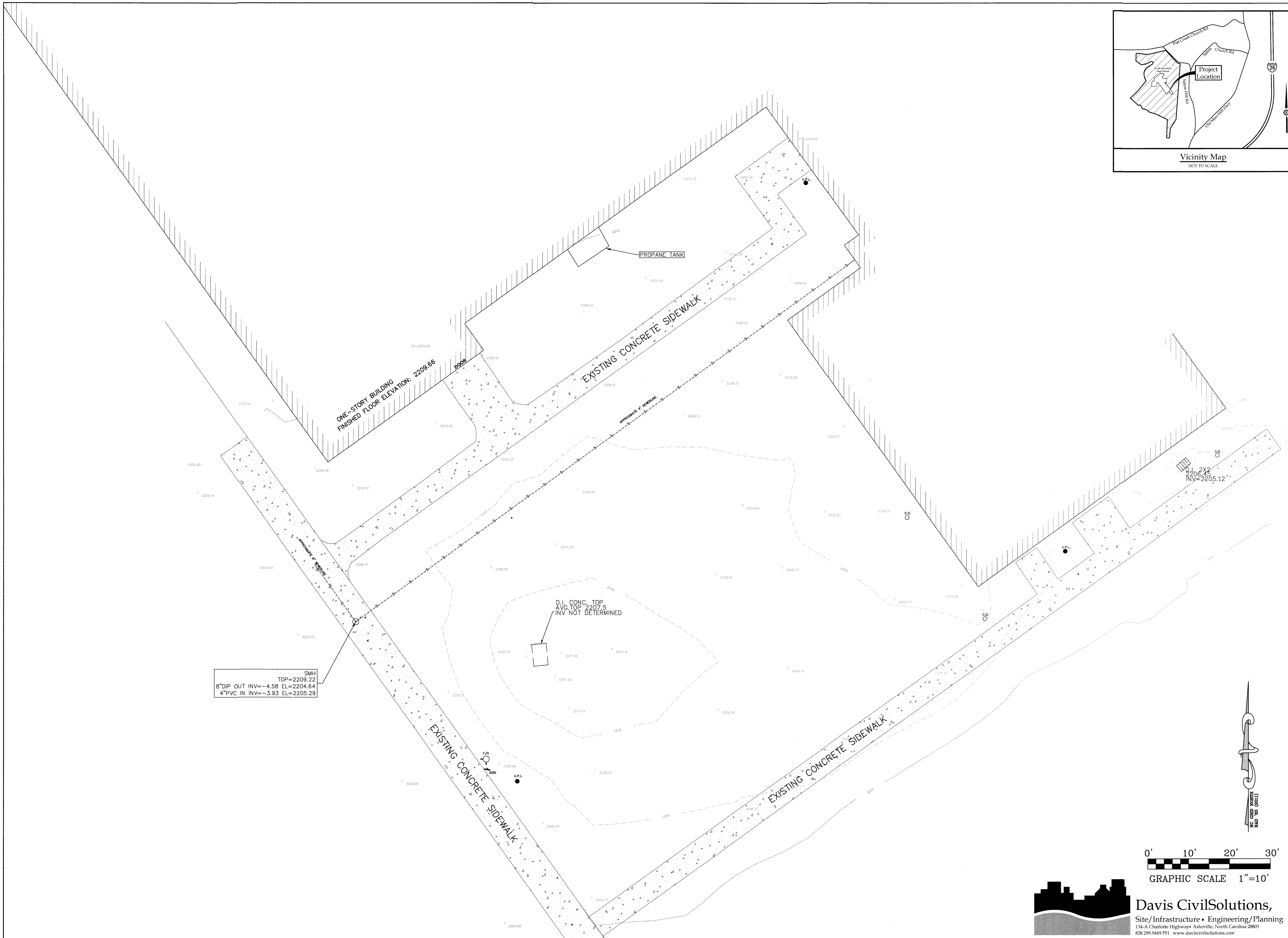

Vicinity Map

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Existing Conditions

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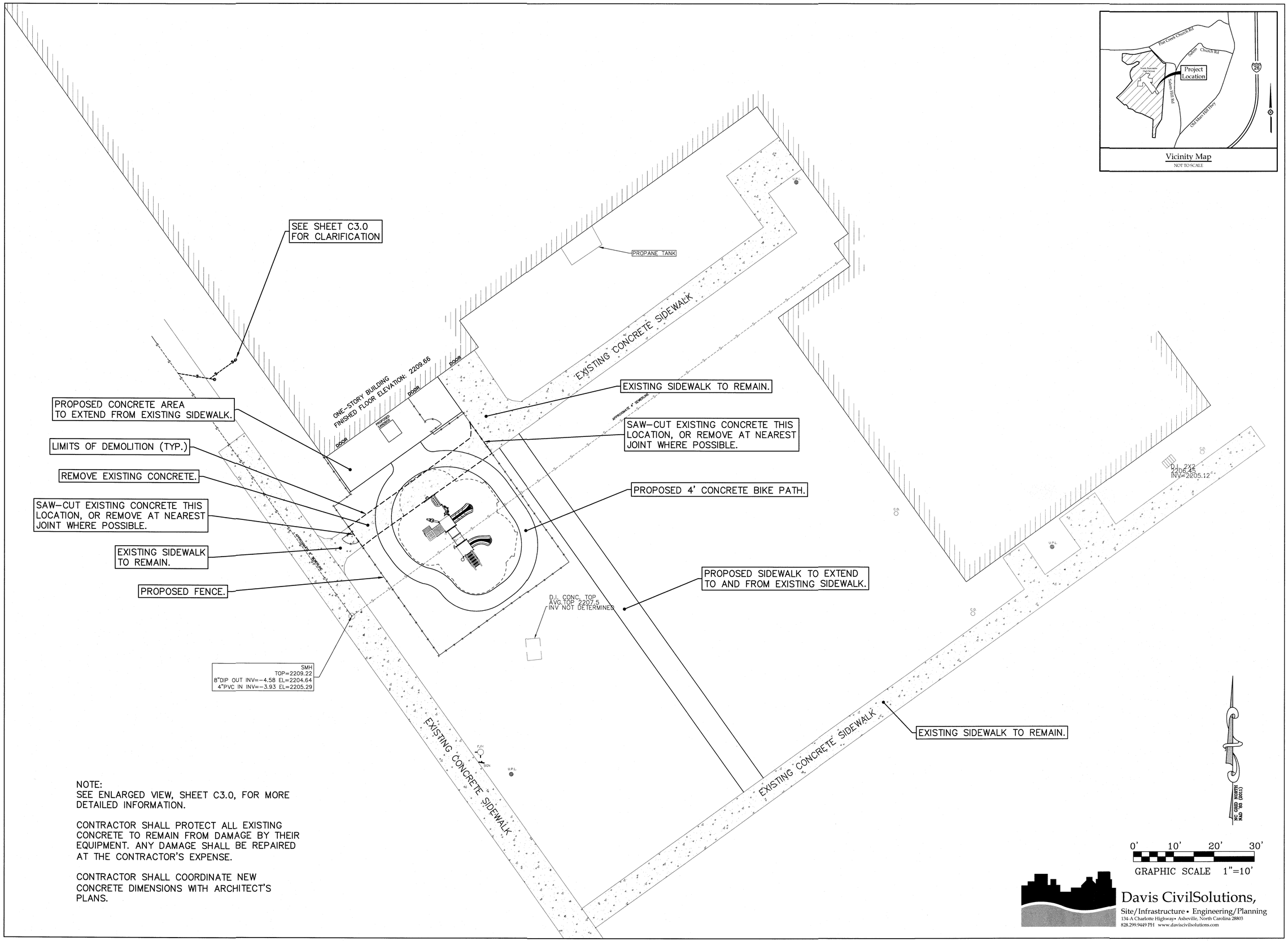

NOTE:
SEE ENLARGED VIEW, SHEET C3.0, FOR MORE DETAILED INFORMATION.

CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE TO REMAIN FROM DAMAGE BY THEIR EQUIPMENT. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL COORDINATE NEW CONCRETE DIMENSIONS WITH ARCHITECT'S PLANS.

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Overall Layout

Sheet Number:
C2.0

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9/25/2019 9:39:16 AM

CONNECT NEW 4" PVC (SCH40) SEWER SERVICE LINE TO EXISTING LINE.

SEE MEP DRAWINGS FOR CONTINUATION

4" PVC (SCH40) SEWER SERVICE LINE

CLEANOUT (TYP.)

SAW-CUT EXISTING SIDEWALK FOR SERVICE LINE CONNECTION, OR REMOVE AT NEAREST JOINT, WHERE POSSIBLE. INSTALL NEW CONCRETE SIDEWALK.

ONE-STORY BUILDING
FINISHED FLOOR ELEVATION: 2209.66

DOOR 2209.66

DOOR 2209.66

DOOR

PROPOSED SANDBOX

6" HDPE S=1.0% MIN. (TYP.)

2209.44

2209.44

2209.44

2209.4

18" NYLOPLAST DRAIN BASIN, OR APPROVED EQUAL TOP ELEV.=2209.3

18" NYLOPLAST DRAIN BASIN, OR APPROVED EQUAL TOP ELEV.=2209.3

4" PERFORATED, CORRUGATED HDPE S=1% MIN (TYP.)

10" HDPE S=1% MIN. (TYP.)

TRANSITION TO 4" SOLID WALL HDPE THIS LOCATION. EXTEND TO 10" HDPE.

2209

2208.6

18" NYLOPLAST DRAIN BASIN, OR APPROVED EQUAL TOP ELEV.=2208.5

EXTEND 10" HDPE TO EXISTING INLET S=1% MIN. (TYP.)

4" PERFORATED, CORRUGATED HDPE S=1% MIN (TYP.)

10" HDPE S=1% MIN. (TYP.)

SMH
TOP=2209.22
8"DIP OUT INV=-4.58 EL=2204.64
4"PVC IN INV=-3.93 EL=2205.29

18" NYLOPLAST DRAIN BASIN, OR APPROVED EQUAL TOP ELEV.=2208.5

EXTEND 10" HDPE TO EXISTING INLET S=1% MIN. (TYP.)

APPROXIMATE 8" SEWERLINE

APPROXIMATE 4" SEWERLINE

EXISTING CONCRETE SIDEWALK

EXISTING CONCRETE SIDEWALK

2208.6

2208.5

2208

2208

2208

D.I. CONC. TOP
AVG.TOP 2207.5
INV NOT DETERMINED
ASSUME 4' DEPTH.

INLET PROTECTION (TYP.)

EXTEND NEW 12" HDPE TO EXISTING INLET. CONTRACTOR SHALL VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION.

40LF 12" HDPE S=1% MIN. (TYP.)

2'x2' CONCRETE DROP INLET TOP ELEV.=2207.8±
INV. ELEV.=2205.5±

INLET PROTECTION (TYP.)

F/H

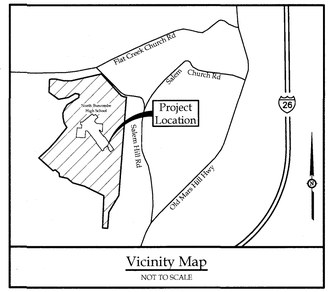
SIGN

U.P.L.

EXISTING CONCRETE SIDEWALK

2209.82 2209.41 2209.21 2209.19 2210.19 2209.25 2209.56 2209.14 2209.27 2209.29 2208.78 2208.55 2208.33 2208.69 2208.77 2209.30 2207.27 2207.18 2207.39 2207.64 2208.34 2209.29 2208.42 2209.61

NOTES:
CONTRACTOR SHALL PROTECT EXISTING CURB AND GUTTER AND SIDEWALK FROM EQUIPMENT ACCESSING SITE FOR CONSTRUCTION.



Vicinity Map
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0' 5' 10' 15'
GRAPHIC SCALE 1"=5'

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Grading, Storm Water & Erosion Control Plan

Sheet Number:
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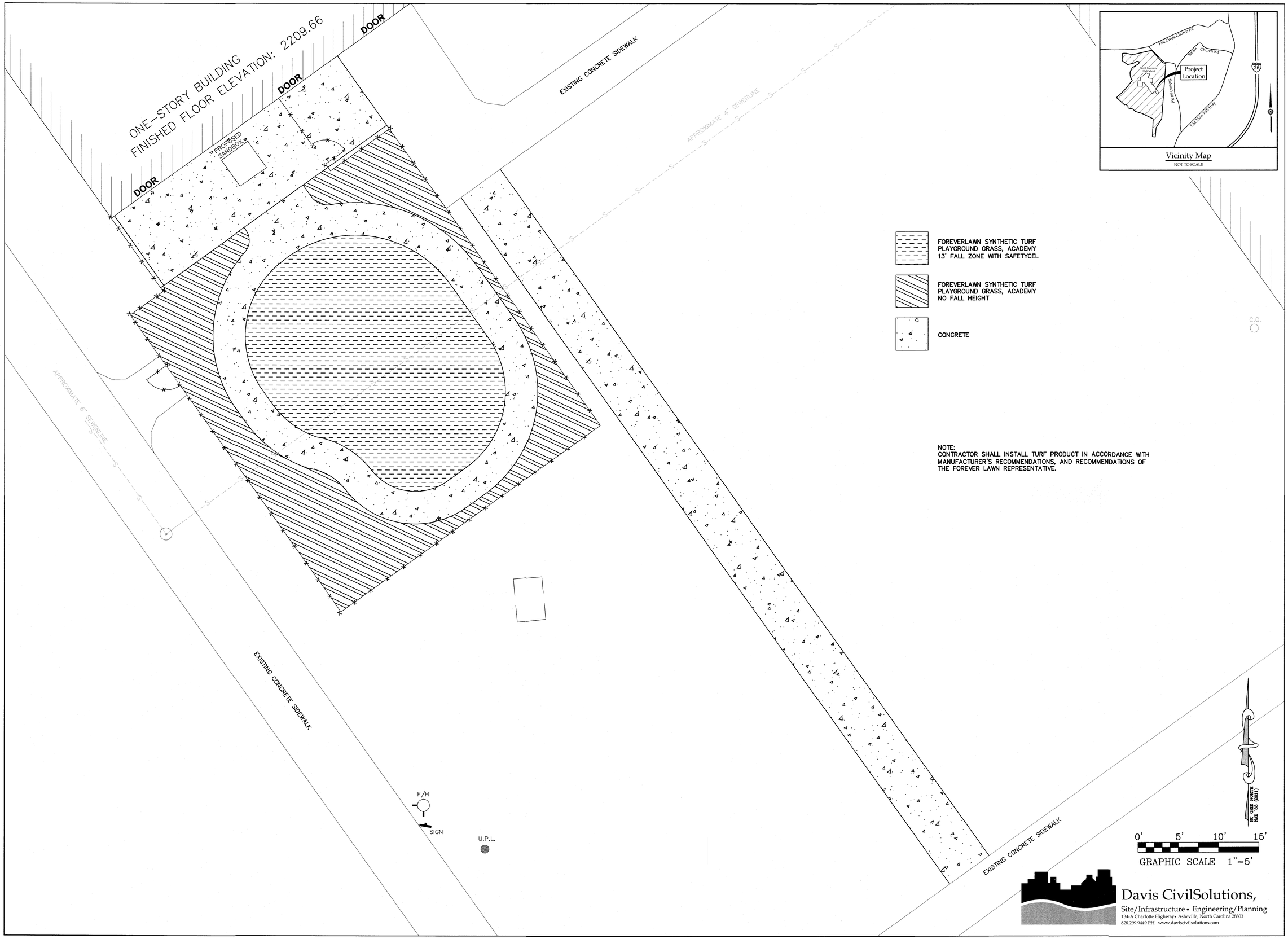

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Material Identification

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9/24/2019 3:25:34 PM

GENERAL CONSTRUCTION NOTES

1. FINISH GRADE TOLERANCES SHALL BE AS NOTED IN THE SPECIFICATIONS. THE ENGINEER MAY MAKE GRADE CHANGES AS REQUIRED IN THE FIELD WITHOUT EFFECTING THE UNIT BID PRICE FOR UNCLASSIFIED EXCAVATION.

2. UNLESS OTHERWISE STATED, ALL FILL AREAS SHALL BE CONSTRUCTED IN LAYERS OF 8" MAXIMUM THICKNESS, WITH WATER ADDED OR SOIL CONDITIONED TO THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE ENGINEER AND COMPACTED WITH A SHEEP'S FOOT ROLLER TO A COMPACTION EQUAL TO OR GREATER THAN 95% (100% IN THE TOP 2' OF THE SUB GRADE BELOW ROADWAYS, PARKING LOTS, AND SLABS) OF THE DENSITY OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH THE STANDARD PROCTOR METHOD OF MOISTURE-DENSITY RELATIONSHIP TEST, ASTM D698 OR AASHTO-99 UNLESS SPECIFIED IN OTHER SPECIFICATIONS. COPIES OF COMPACTION REPORTS SHALL BE PROVIDED TO THE LOCAL REGULATORY AGENCY, WHERE REQUIRED.

3. ENTIRE AREA TO BE GRADED SHALL BE CLEARED AND GRUBBED. NO FILL SHALL BE PLACED ON ANY AREA NOT CLEARED AND GRUBBED.

4. ALL SOIL EROSION CONTROL MEASURES REQUIRED BY THE GRADING PLAN SHALL BE PERFORMED PRIOR TO GRADING, CLEARING OR GRUBBING. ALL EROSION CONTROL DEVICES SUCH AS SILT FENCES, ETC., SHALL BE MAINTAINED IN WORKABLE CONDITION FOR THE LIFE OF THE PROJECT BY THE CONTRACTOR AT HIS EXPENSE. EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT ONLY ON THE ENGINEER'S APPROVAL. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO CLEARING AND GRUBBING UNLESS OTHERWISE SPECIFIED. IF DURING THE LIFE OF THE PROJECT, A STORM CAUSES SOIL EROSION WHICH CHANGES FINISH GRADES OR CREATES "GULLIES" AND "WASHED AREAS", THESE SHALL BE REPAIRED AT NO ADDITIONAL COST, AND ALL SILT WASHED OFF OF THE PROJECT SITE ONTO ADJACENT PROPERTY SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST. THE CONTRACTOR SHALL ADHERE TO ANY APPROVED EROSION CONTROL PLANS WHETHER INDICATED IN THE CONSTRUCTION PLANS OR UNDER SEPARATE COVER.

   EROSION CONTROL IS FIELD PERFORMANCE BASED AND ADDITIONAL SILT FENCE, TEMPORARY SEDIMENT BASINS AND OTHER MEASURES MAY NEED TO BE INSTALLED IN ADDITION TO THE APPROVED PLAN AS NECESSARY. MEASURES INDICATED ON THE DRAWINGS CAN AND SHOULD BE ADJUSTED TO ASSURE MAXIMUM PROTECTION OF THE SITE.

5. DISPOSABLE MATERIAL
   A. CLEARING AND GRUBBING WASTES SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE, UNLESS SPECIFIED OTHERWISE.

   B. SOLID WASTES TO BE REMOVED, SUCH AS SIDEWALKS, CURBS, PAVEMENT, ETC., MAY BE PLACED IN SPECIFIC DISPOSAL AREAS DELINEATED ON THE PLANS WITH THE PRIOR APPROVAL OF THE ENGINEER OR SHALL BE REMOVED FROM THE SITE AS REQUIRED BY THE SPECIFICATIONS. THIS MATERIAL SHALL HAVE A MINIMUM COVER OF 2'. THE CONTRACTOR SHALL MAINTAIN SPECIFIED COMPACTION REQUIREMENTS IN THESE AREAS. WHEN DISPOSAL SITES ARE NOT PROVIDED, THE CONTRACTOR SHALL REMOVE THIS WASTE FROM THE SITE AND PROPERLY DISPOSE OF IT AT HIS EXPENSE.

   C. ABANDONED UTILITIES SUCH AS CULVERTS, WATER PIPE, HYDRANTS, CASTINGS, PIPE APPURTENANCES, UTILITY POLES, ETC., SHALL BE THE PROPERTY OF THE SPECIFIC UTILITY AGENCY, OR COMPANY HAVING JURISDICTION. BEFORE THE CONTRACTOR CAN REMOVE, DESTROY, SALVAGE, REUSE, SELL OR STORE THESE ITEMS OR USE ANY ABANDONED UTILITY, HE MUST PRESENT TO THE OWNER WRITTEN PERMISSION FROM THE UTILITY INVOLVED.

   D. ON SITE BURNING IS AN ACCEPTABLE METHOD OF DISPOSING OF FLAMMABLE WASTES WHERE ALLOWED BY LOCAL CODES. WHEN BURNING IS ANTICIPATED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND MEETING GOVERNING CODES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR HIS REPRESENTATIVE AS TO THE SPECIFIC LOCATION OF BURNING AND SHALL PROVIDE COPIES OF SECURED PERMITS. AFTER BURNING IS COMPLETED, PURE ASH MAY BE DISPOSED OF BY MIXING WITH FILL DIRT UPON THE APPROVAL OF THE ENGINEER. ALL MATERIAL NOT TOTALLY BURNED SHALL BE DISPOSED OF AS SPECIFIED IN "B" ABOVE. THE CONTRACTOR SHALL NOT HOLD UP WORK PROGRESS FOR THE PURPOSE OF WAITING FOR A "BURNING DAY".

6. IN THE EVENT EXCESSIVE GROUNDWATER OR SPRINGS ARE ENCOUNTERED WITHIN THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL NECESSARY UNDER DRAINS AND STONE AS DIRECTED BY THE ENGINEER AND AS APPROVED BY PERMITTING FROM THE REGULATORY AGENCIES. ALL WORK SHALL BE PAID BASED UPON UNIT BIDS, UNLESS SPECIFIED OTHERWISE.

7. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OR ADJUSTMENT OF ALL UTILITY SURFACE ACCESSES WHETHER HE PERFORMS THE WORK OR A UTILITY COMPANY PERFORMS THE WORK.

8. THE CONTRACTOR SHALL CONTROL ALL "DUST" BY PERIODIC WATERING AND SHALL PROVIDE ACCESS AT ALL TIMES FOR PROPERTY OWNERS WITHIN THE PROJECT AREA AND FOR EMERGENCY VEHICLES. ALL OPEN DITCHES AND HAZARDOUS AREAS SHALL BE CLEARLY MARKED IN ACCORDANCE WITH THE SPECIFICATIONS.

NOTE-1

GENERAL CONSTRUCTION NOTES CONT'D.

9. ALL AREAS WHERE THERE IS EXPOSED DIRT SHALL BE SEEDED, FERTILIZED AND MULCHED ACCORDING TO THE SPECIFICATIONS. THE FINISHED SURFACE SHALL BE TO GRADE AND SMOOTH, FREE OF ALL ROCKS LARGER THAN 3", EQUIPMENT TRACKS, DIRT CLODS, BUMPS, RIDGES AND GOUGES PRIOR TO SEEDING; THE SURFACE SHALL BE LOOSENED TO A DEPTH OF ±4"-6" TO ACCEPT SEED. THE CONTRACTOR SHALL NOT PROCEED WITH SEEDING OPERATIONS WITHOUT FIRST OBTAINING THE ENGINEER'S APPROVAL OF THE GRADED SURFACE. ALL SEEDING SHALL BE PERFORMED BY A MECHANICAL "HYDRO-SEEDER". HAND SEEDING SHALL BE AUTHORIZED ON AN AREA BY AREA APPROVAL BY THE ENGINEER. ALL FILL AND CUT SLOPES 2:1 HORIZONTAL TO VERTICAL, OR STEEPER, SHALL BE COVERED, AFTER SEEDING, WITH EROSION CONTROL MATTING CONSISTING OF BIODEGRADABLE STRAW WITH NATURAL FIBER OR BIODEGRADABLE NETTING, APPROVED BY THE ENGINEER.

10. WHERE SPECIFIED, STORM DRAIN PIPE SHALL BE CORRUGATED METAL PIPE (CMP) CONFORMING TO AASHTO M-36, WITH PREROLLED ENDS TO ACCOMMODATE CORRUGATED COUPLING BANDS. 18" PIPE SHALL BE 16 GAUGE, 24" AND 30" PIPE SHALL BE 14 GAUGE AND 36" PIPE AND OVER SHALL BE 12 GAUGE AS SPECIFIED ON THE PLANS, PIPE AND COUPLING BANDS SHALL CONFORM TO NCDOT 1032-3 FOR PLAIN PIPE OR 1032-4(A) FOR BITUMINOUS COATED AND PARTIALLY PAVED PIPE. DIMPLE BANDS SHALL NOT BE USED.

    WHERE SPECIFIED, STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CONFORMING TO AASHTO M-170, AS CONTAINED IN NCDOT STANDARD SPECIFICATION 1032-9 FOR WALL "B" TYPE.

    WHERE SPECIFIED, ALL STORM DRAIN PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), CORRUGATED EXTERIOR, SMOOTH WALL INTERIOR, WITH SOIL TIGHT JOINTS, BACKFILLED WITH # 57 WASHED STONE UP TO MIN. 6" OVER THE TOP OF THE PIPE, 12" ON EACH SIDE OF THE PIPE, AND 8" BENEATH THE PIPE. HDPE PIPE USED FOR STORM DRAINAGE DETENTION SYSTEMS SHALL BE "HANCOR BLUE SEAL" OR APPROVED EQUAL, WITH WATER TIGHT JOINTS.

    WHERE SPECIFIED, ALL STORM DRAIN PIPE SHALL BE DUAL WALL HIGH DENSITY POLYPROPYLENE (HDPP), CORRUGATED EXTERIOR, SMOOTH WALL INTERIOR, WITH GASKETED JOINTS, BACKFILLED WITH #57 WASHED STONE UP TO THE SPRING LINE OF THE PIPE, WITH 12" STONE ON EACH SIDE OF THE PIPE, AND 8" BENEATH THE PIPE. PIPES OF A DIAMETER OF 30" OR GREATER SHALL BE TRIPLE WALL, CORRUGATED STRUCTURAL CORE, SMOOTH EXTERIOR, WITH DOUBLE GASKETED JOINTS.

    ALL CORRUGATED METAL STORM DRAIN PIPE (CMP) SHALL BE ALUMINIZED TYPE 2 CORRUGATED STEEL MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO M-36. THE PIPE SHALL BE MANUFACTURED FROM ALUMINIZED STEEL TYPE 2 MATERIAL CONFORMING TO THE REQUIREMENTS OF AASHTO M-274. ALL PIPE SHALL BE FURNISHED WITH PREROLLED ENDS AND SHALL BE JOINED WITH HUGGER BANDS. THE USE OF DIMPLE BANDS WILL NOT BE ALLOWED. PIPE THROUGH 24" DIAMETER SHALL BE 16 GAUGE, PIPE THROUGH 42" DIAMETER SHALL BE 14 GAUGE, PIPE THROUGH 54" DIAMETER SHALL BE 12 GAUGE.

11. CONTRACTOR SHALL VERIFY THE APPROPRIATENESS OF ALL ELEVATIONS BEFORE INSTALLATION OF FACILITIES AND THAT THOSE ELEVATIONS CONTRIBUTE TO THE PROPER INTENDED PERFORMANCE OF THE INSTALLED FACILITIES.

12. CATCH BASINS CAST-IN-PLACE SHALL CONFORM TO THE REQUIREMENTS OF NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES (LATEST EDITION) ARTICLES 840-1 THROUGH 840-3. CURB INLET CATCH BASIN SHALL CONFORM TO NCDOT STANDARD DETAILS 840.02 THROUGH 840.04. DROP INLETS SHALL CONFORM TO STANDARD DETAIL 840.14. JUNCTION BOXES SHALL CONFORM TO STANDARD DETAIL 840.31.

13. CURB INLET FRAME, GRATE AND HOOD SHALL BE NEENAH R-3233D, PRODUCTS BY DEWEY BROS., U.S. FOUNDRY OR EQUAL. DROP INLET FRAME AND GRATE SHALL BE NEENAH R-3339A OR EQUAL. FIELD INLET COVER SHALL CONFORM TO NCDOT STANDARD DETAIL 840.04, OPENING FACING UPSTREAM.

14. CONCRETE AND MASONRY SHALL MEET THE REQUIREMENTS OF THE APPROPRIATE SECTION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROAD AND STRUCTURES (LATEST EDITION). CONCRETE SHALL BE CLASS A OR B, 4000 PSI MINIMUM, MEETING THE REQUIREMENTS OF SECTION 1000, CONSTRUCTED IN ACCORDANCE WITH SECTION 825. MASONRY SHALL MEET THE REQUIREMENTS OF SECTION 1040, CONSTRUCTED IN ACCORDANCE WITH SECTION 830 AND/OR 834.

15. TOPS OF PROPOSED FRAMES AND GRATES SHALL BE FLUSH WITH FINISHED GRADE. ALL STORM DRAIN BOXES AND MANHOLES OVER 4' IN DEPTH SHALL HAVE STEPS DIRECTLY BENEATH THE OPENING.

16. TINDALL PRE CAST CONCRETE BOXES ARE ACCEPTABLE ALTERNATIVES FOR PROPOSED CATCH BASINS WHERE APPROVED BY THE ENGINEER.

17. CONTRACTOR SHALL PROVIDE THE OWNER AND THE LOCAL REGULATORY AGENCY WITH PROOF OF ACTIVE GRADING PERMITS FOR ANY BORROW OR WASTE SITES TO BE USED, PRIOR TO CONSTRUCTION.

18. THE CONTRACTOR SHALL ASSUME MAINTENANCE OF ALL EROSION CONTROL FACILITIES LEFT ON SITE BY PREVIOUS CONTRACTORS IN THE CASE OF PHASED PROJECTS WHEN SPECIFIED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL MAINTAIN, ADD TO AND/OR ADJUST ALL FACILITIES TO ASSURE MAXIMUM PROTECTION OF THE SITE.

NOTE-2

GENERAL CONSTRUCTION NOTES CONT'D.

19. SEED AND MULCH DENUDED AREA WITHIN 14 DAYS ON DISTURBED FLAT AREAS AND 7 DAYS ON ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL. GROUND COVER SHALL BE REQUIRED AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 (OR 7) CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

20. THE LOCATIONS OF ALL UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UTILITIES WITH THE UTILITY OWNERS PRIOR TO CONSTRUCTION.

21. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH RESPECTIVE UTILITY.

22. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE THE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATIONS.

23. THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.

24. DO NOT SCALE THESE DRAWINGS AS THEY ARE REPRODUCTIONS AND SUBJECT TO DISTORTION.

25. THE CONTRACTOR SHALL VERIFY ALL LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE, OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NC "ONE CALL" AT (800) 632-4949 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.

26. THE CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.

27. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS AND THE JOB SITE. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER WHO PREPARED THE PLANS OF ANY DISCREPANCIES THAT MAY REQUIRE MODIFICATIONS TO THESE PLANS OR OF ANY FIELD CONFLICTS.

28. ALL PERMITS RELATIVE TO THE PROJECT MUST BE OBTAINED, PRIOR TO CONSTRUCTION. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES.

29. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS.

30. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THE REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.

31. ALL RECOMMENDATIONS/REQUIREMENTS OUTLINED IN THE SOILS REPORT AND ADDENDUMS TO THE SOILS REPORT CONTAINED IN THE CONTRACT DOCUMENTS SHALL BE INCORPORATED INTO THE EARTHWORK AND RELATED SPECIFICATIONS FOR THIS PROJECT.

32. IF BORROWED OR WASTE FILL MATERIAL IS GENERATED, AN APPROVED GRADING PERMIT MUST BE SECURED FOR THE BORROW OR WASTE MATERIAL SITE PRIOR TO INITIATION OF ANY LAND DISTURBING ACTIVITY.

33. UNLESS A PERMIT FROM NCDEQ – DIVISION OF WASTE MANAGEMENT TO OPERATE A LANDFILL IS ON FILE FOR THE OFFICIAL SITE, ACCEPTABLE FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DEGRADABLE MATERIALS, MASONRY, CONCRETE AND BRICK IN SIZES EXCEEDING 12 INCHES, AND ANY MATERIALS WHICH WOULD CAUSE THE SITE TO BE REGULATED AS A LANDFILL BY THE STATE OF NORTH CAROLINA.

34. ALL CONSTRUCTED SEVERE CLOPES GREATER THAT 2:1 AND GREATER THAT FIVE (5) FEET IN HEIGHT, AN INSPECTION AND A STABILITY CERTIFICATE ARE REQUIRED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WITH GEOTECHNICAL EXPERTISE SUFFICIENT TO PERFORM THE INSPECTION AND STABILITY ANALYSIS. FOR ALL CONSTRUCTED SEVERE SLOPES WITHIN PROPOSED OR EXISTING PUBLIC RIGHTS-OF-WAY, PERIODIC INSPECTIONS AND COMPACTION REPORTS ARE REQUIRED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WITH GEOTECHNICAL EXPERTISE.

NOTE-2A

GENERAL EROSION CONTROL NOTES

1. – INSTALL ALL EROSION CONTROL MEASURES AS REQUIRED BY THE PLANS.

2. – PROCEED WITH GRADING, CLEARING AND GRUBBING.

3. – SEED AND MULCH DENUDED AREA WITHIN 14 DAYS ON DISTURBED FLAT AREAS AND 7 DAYS ON ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL. GROUND COVER SHALL BE REQUIRED AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 (OR 7) CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

   SUMMER (EROSION CONTROL) SEEDING (MAY 15 TO AUGUST 15)

LIME	4,000 LBS
FERTILIZER (10-10-10)	1,000 LBS
KY-31 FESCUE	100 LBS
STRAW MULCH	4,000 LBS. (ANCHORED)
GERMAN MILLET (OR SMALL-STEMMED SUDAN GRASS @ 40 LBS.)	40 LBS.

   WINTER (EROSION CONTROL) SEEDING (AUGUST 15 TO MAY 15)

LIME	4,000 LBS
FERTILIZER (10-10-10)	1,000 LBS
KY-31 FESCUE	100 LBS
STRAW MULCH	4,000 LBS. (ANCHORED)
RYE (GRAIN)	120 LBS.

   FOR ALL SLOPES 2:1 OR STEEPER ADD TO THE ABOVE:

SERICEA LESPEDEZA (KOREAN)	50 LBS

   IF HYDROSEEDING, WOOD CELLULOSE MAY BE USED IN ADDITION TO STRAW MULCH AT THE RATE OF 1,000 LBS PER ACRE.

   ALL SEEDING SHALL BE MAINTAINED, WATERED, ETC., UNTIL A PERMANENT VEGETATIVE GROUND COVER IS ESTABLISHED OVER ALL DISTURBED AREAS.

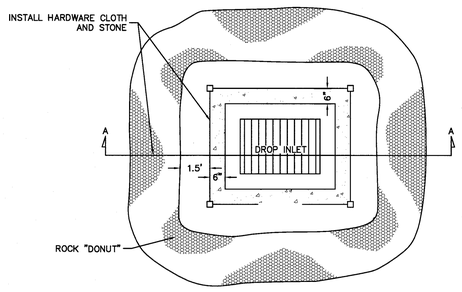
   ALL SLOPES 2:1 OR STEEPER SHALL BE COVERED BY EROSION CONTROL MATTING.

4. – MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

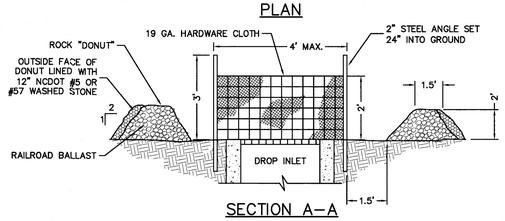
5. – REMOVE SOIL EROSION CONTROL MEASURES AND STABILIZE THESE AREAS.

6. – EROSION CONTROL IS FIELD PERFORMANCE BASED AND ADDITIONAL SILT FENCES, TEMPORARY SEDIMENT BASINS AND ALL OTHER MEASURES MAY NEED TO BE ADDED IN ADDITION TO THE APPROVED PLAN AS NECESSARY. MEASURES SHOWN CAN AND SHOULD BE ADJUSTED TO ASSURE MAXIMUM PROTECTION OF SITE.

NOTE-3



PLAN



SECTION A-A

NOTES:

1. ATTACH WIRE TO POSTS ON UPHILL SIDE OF FENCE WITH APPROVED FASTENERS.
2. FILTERS SHALL BE INSPECTED AFTER EVERY RAIN AND REPAIRED AS REQUIRED.
3. SEDIMENT SHALL BE REMOVED AFTER DEPOSITS REACH 1/3 HEIGHT OF BARRIER.

MAINTENANCE REQUIREMENTS:
INSPECT INLETS WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT. CLEAR THE HARDWARE CLOTH OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE HARDWARE CLOTH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

DROP INLET PROTECTION

NOT TO SCALE

EC-10

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Revisions	
No.	Date

Project Number:	1931
Date:	09/24/2019
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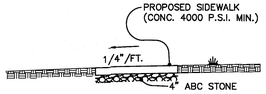
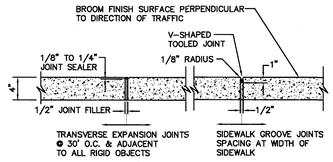


TYPICAL SECTION



NOTES:

1.) TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.

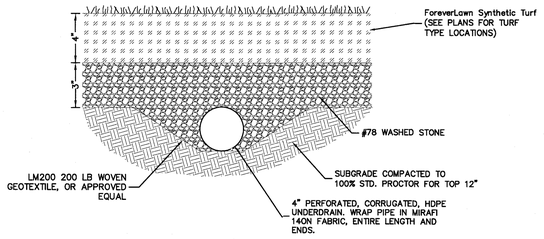
2.) ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND.

3.) SEE ARCHITECTURAL DRAWINGS FOR PROPOSED SIDEWALK WIDTHS.

STANDARD SIDEWALK

NOT TO SCALE

ST-36



NOTE:
FORM BOARDS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.

CONTRACTOR SHALL PROOFROLL AND COMPACT EXISTING SUBGRADE TO EXTENT POSSIBLE

UNDERDRAIN DETAIL

NOT TO SCALE

ForeverLawn®

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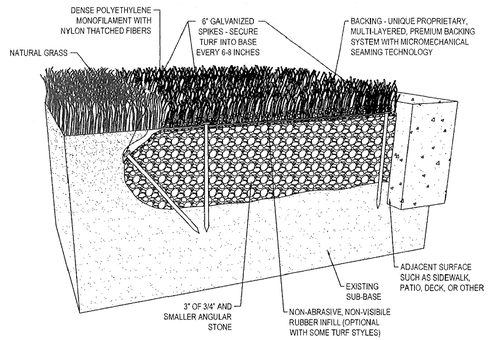


PERSPECTIVE

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 1148-087

LANDSCAPE

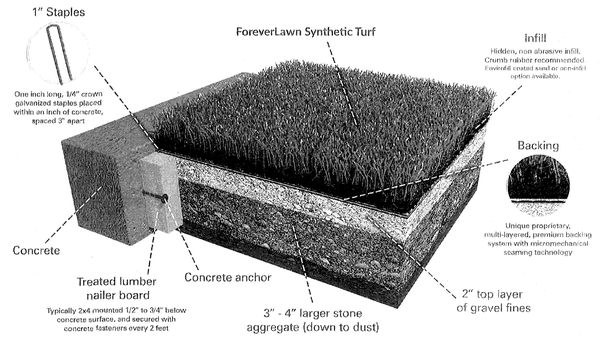
LANDSCAPE TURF: LANDSCAPE GRASS SYSTEM - INSTALLATION WITHOUT PERIMETER BOARDS

1148-087 REVISION DATE 11/04/2019

 CADdetails.com

Playground Grass™ System

Edge Detail - No Fall Height



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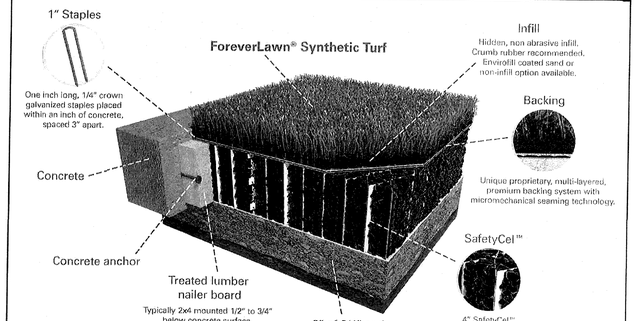
Playground Grass™ System

Edge Detail - 13' Fall Zone with SafetyCel™ featuring DuPont™ GroundGrid™



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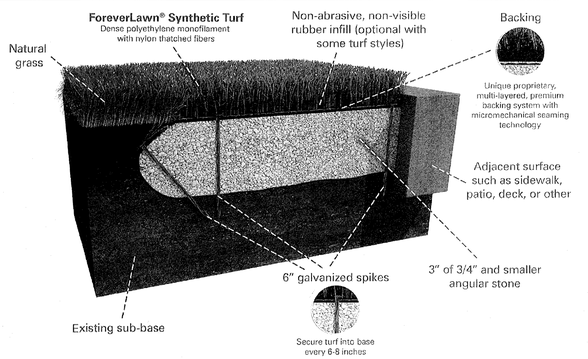
ForeverLawn Landscape System

Edge Detail - Installation without perimeter boards

ForeverLawn® landscape



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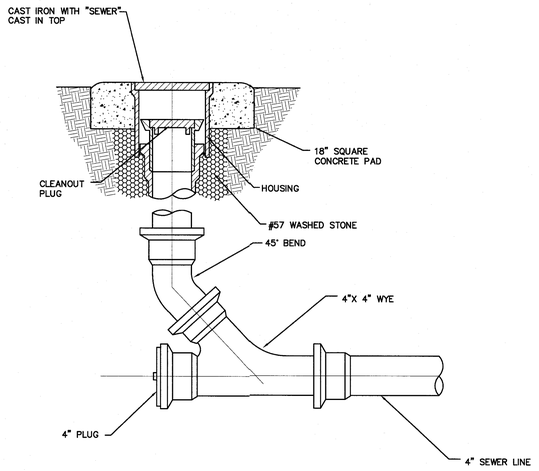
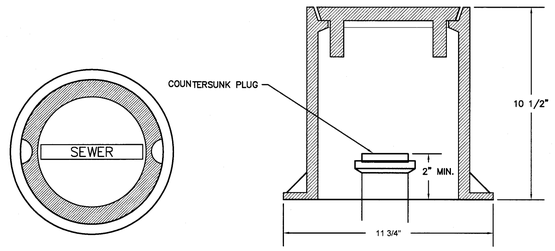


CLEANOUT DETAIL

NOT TO SCALE

SWR-3

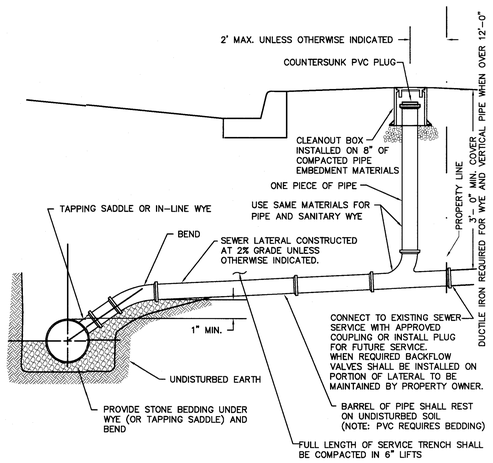


NOTE: CLEANOUT BOX SHALL BE A CAST IRON VALVE BOX AS MANUFACTURED BY RUSSELL FOUNDRY, OPEILIKA FOUNDRY, OR EQUAL.

CLEANOUT BOX

NOT TO SCALE

SWR-4



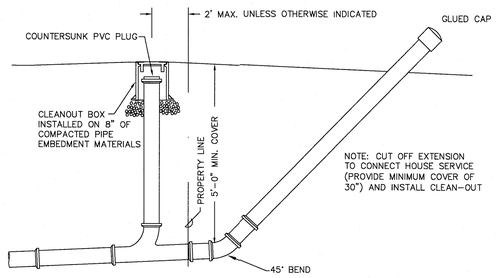
NOTES:

1. WYE CONNECTIONS ARE STANDARD FOR NEW SEWER MAIN CONSTRUCTION.
2. FOR EXISTING MAINS (12" & SMALLER) WHERE WYES ARE NOT AVAILABLE A SEWER TAP SHALL BE MADE BY AUTHORIZED PERSONNEL.
3. FORCE MAINS CARRING DOMESTIC WASTEWATER FROM SANITARY CONVENIENCES WITHIN A SINGLE BUILDING, MAY BE CONNECTED TO A 4" GRAVITY SERVICE LINE PROVIDED THAT GRAVITY FLOW WILL BE MAINTAINED DURING PROPOSED MAXIMUM DISCHARGE RATE FOR THE GRINDER OR EFFLUENT PUMP(S).
4. CLEANOUT BOX TO BE INSTALLED FLUSH IN PAVEMENT OR GRASSED AREAS, INSTALL 2" ABOVE GROUND IN WOODED AREAS.
5. TAPPING SADDLES ARE APPROVED FOR CONNECTIONS TO EXISTING SEWER LINES ONLY.
6. WHERE COVER IS LESS THAN 3 FEET DUCTILE IRON PIPE MUST BE USED.
7. WHERE DUCTILE IRON PIPE IS REQUIRED RISER MAY BE CONSTRUCTED WITH SCH. 40 PVC.

SANITARY SEWER SERVICE LESS THAN 5 FEET DEEP

NOT TO SCALE

SWR-33



CONNECT TO EXISTING SEWER SERVICE WITH APPROVED COUPLING" OR INSTALL PVC PLUG FOR FUTURE SERVICE. WHEN REQUIRED BACKFLOW VALVES SHALL BE INSTALLED ON PORTION OF LATERAL TO BE MAINTAINED BY PROPERTY OWNER.

FOR OMITTED NOTES SEE SANITARY SEWER SERVICE DETAIL 1

NOTES:

1. WYE CONNECTIONS ARE STANDARD FOR NEW SEWER MAIN CONSTRUCTION.
2. FORCE MAINS CARRING DOMESTIC WASTEWATER FROM SANITARY CONVENIENCES WITHIN A SINGLE BUILDING, MAY BE CONNECTED TO A 4" MSD GRAVITY SERVICE LINE PROVIDED THAT GRAVITY FLOW WILL BE MAINTAINED DURING PROPOSED MAXIMUM DISCHARGE RATE FOR THE GRINDER OR EFFLUENT PUMP(S).
3. WHERE COVER IS LESS THAN 3 FT. DUCTILE IRON MUST BE USED.
4. WHERE DUCTILE IRON IS REQUIRED RISER MAY BE CONSTRUCTED WITH SCH. 40 PVC

SANITARY SEWER SERVICE MORE THAN 5 FEET DEEP

NOT TO SCALE

SWR-34

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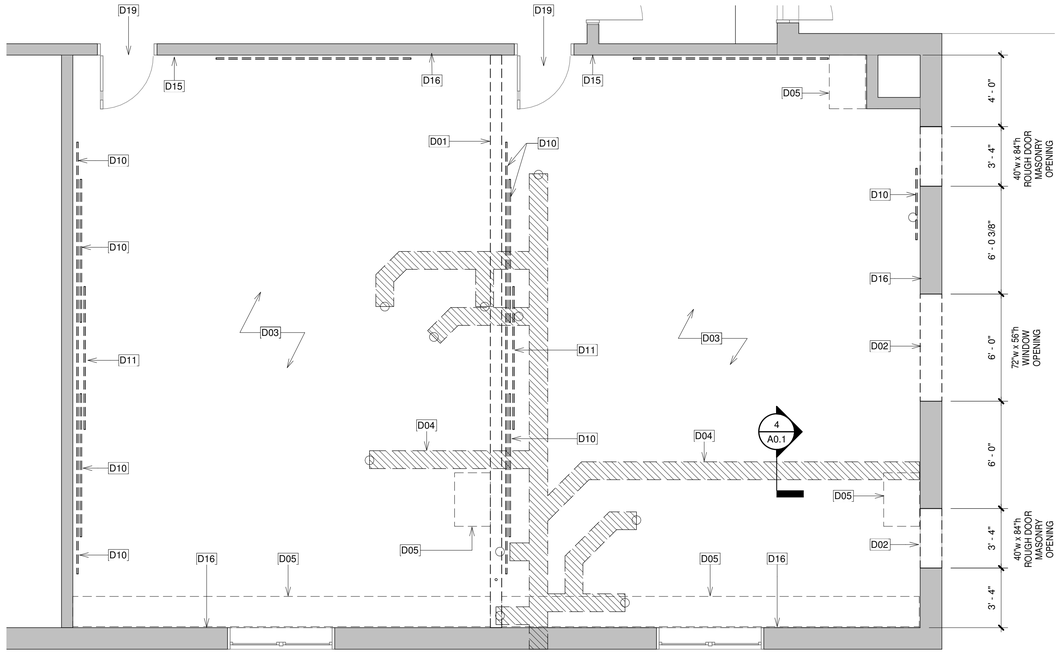
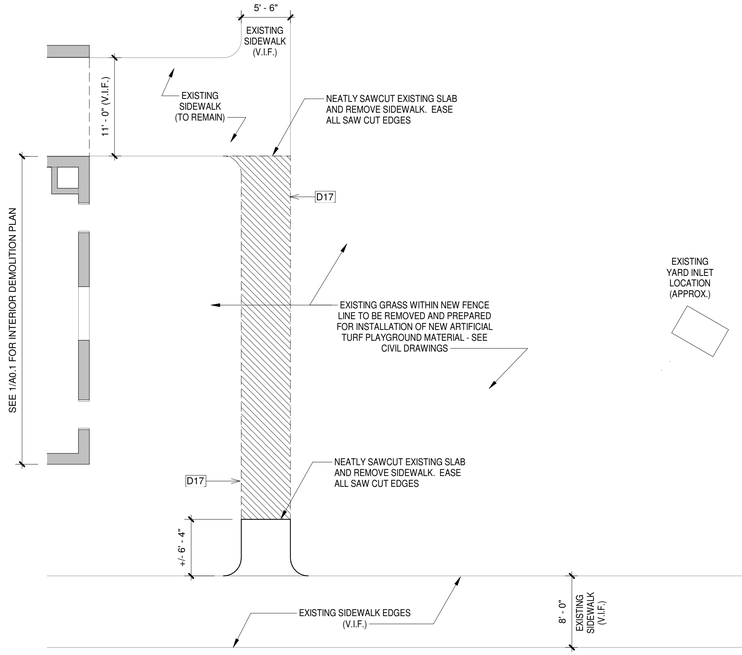
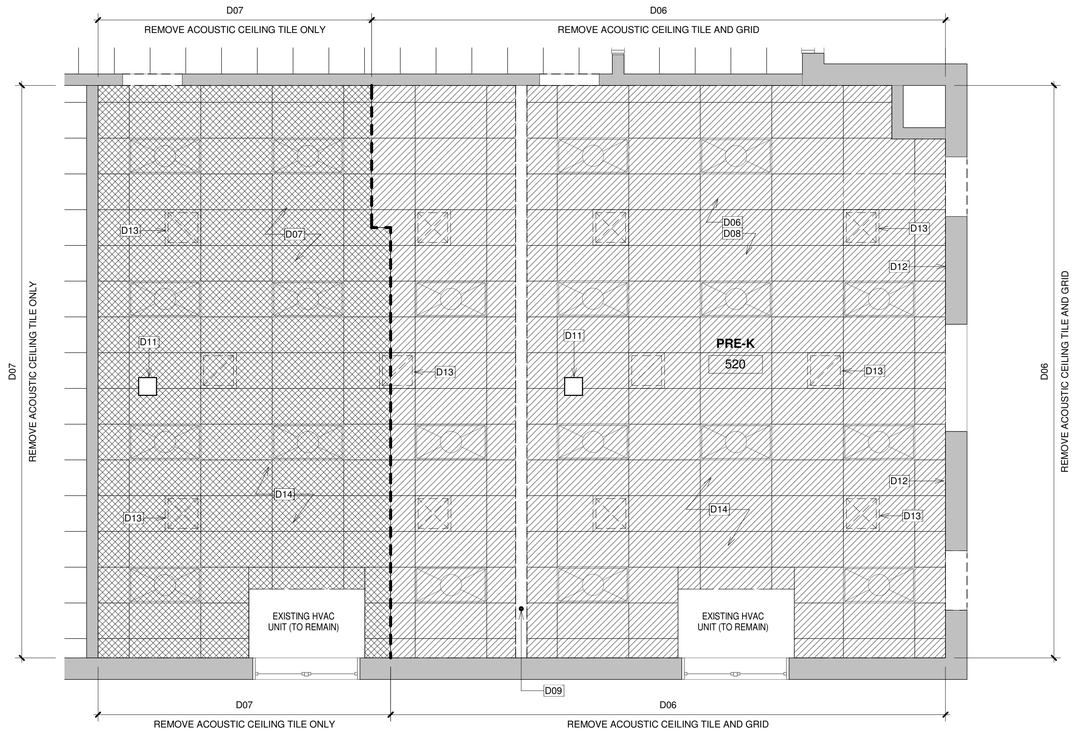


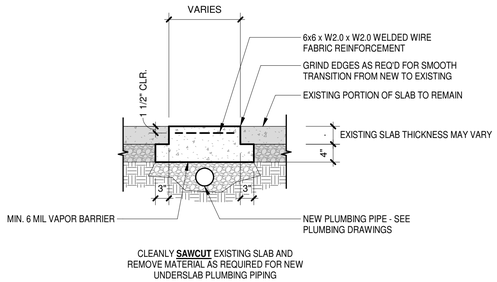
1 A0.1 INTERIOR DEMOLITION FLOOR PLAN
1/4" = 1'-0"



3 A0.1 EXTERIOR DEMOLITION PLAN
1/8" = 1'-0"



2 A0.1 DEMOLITION REFLECTED CEILING PLAN
1/4" = 1'-0"



4 A0.1 SLAB TRENCH INFILL DETAIL
3/4" = 1'-0"

DEMOLITION KEYNOTES

D01	(E) REMOVE EXISTING CMU WALL.
D02	(E) REMOVE EXISTING PORTION OF EXTERIOR CMU WALL, EXTERIOR INSULATION AND BRICK VENEER. TEMPORARILY SHORE OPENINGS PRIOR TO NEW STEEL LINTEL INSTALLATION.
D03	(E) REMOVE EXISTING VINYL FLOOR TILES AND BASE MOLD THROUGHOUT CONSTRUCTION AREA. REMOVE EXCESS GLUE AND FLOORING ADHERING MATERIALS DOWN TO BARE SLAB. PREP SLAB FOR NEW LVT INSTALLATION.
D04	(E) REMOVE EXISTING SLAB TO MAKE WAY FOR UNDERSLAB PLUMBING - SEE PLUMBING DEMOLITION DRAWINGS.
D05	(E) REMOVE EXISTING CASEWORK.
D06	(E) REMOVE EXISTING ACOUSTIC CEILING TILE AND GRID.
D07	(E) REMOVE EXISTING ACOUSTIC CEILING TILE. EXISTING GRID TO REMAIN THIS CLASSROOM ONLY.
D08	(E) TEMPORARILY HANG EXISTING LIGHT FIXTURES FOR REPLACEMENT INTO NEW GRID CEILING.
D09	(E) REMOVE EXISTING CONDENSATE PIPE. RELOCATE INTO NEW METAL STUD WALL. SEE PME DRAWINGS.
D10	(E) REMOVE EXISTING WALL MOUNTED ITEMS (TACK BOARDS, WHITE BOARDS, ETC.) PATCH HOLES WITH APPLICABLE MATERIALS WHERE REQ'D. STORE FOR FUTURE REUSE
D11	(E) REMOVE AND STORE EXISTING SMART BOARD PROJECTOR AND MOUNTING SYSTEM.
D12	(E) REMOVE EXISTING SURFACE-MOUNTED ELECTRIC/COMMUNICATION RACEWAY - SEE ELECTRICAL DEMOLITION DRAWINGS.
D13	(E) REMOVE EXISTING AIR SUPPLY AND RETURN DIFFUSERS. SUSPEND DUCT CONNECTIONS WHILE EXISTING CEILING GRID IS BEING REMOVED AND NEW IS BEING INSTALLED. REPLACE EXISTING DIFFUSERS AND GRILLES WITH NEW, TYPICAL.
D14	(E) REMOVE EXISTING CEILING MOUNTED ITEMS (WIRELESS ACCESS POINTS, SPEAKERS, ETC.). HANG OR STORE FOR FUTURE REUSE/RE-INSTALLATION.
D15	(E) COORDINATE FIRE ALARM EQUIPMENT INTERVENTION WITH PME DRAWINGS.
D16	(E) PREPARE ALL WALLS FOR PAINT. REMOVE ALL SURFACE OBJECTS; REMOVE TAPE AND OTHER MATERIALS ADHERED TO WALLS.
D17	(E) REMOVE EXISTING EXTERIOR SIDEWALK.
D19	(E) REMOVE EXISTING DOOR HARDWARE.

DEMOLITION FLOOR PLAN LEGEND:

- EXISTING TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING SLAB PORTION TO BE REMOVED

DEMOLITION CEILING PLAN LEGEND:

- EXISTING ACT CEILING AND GRID TO BE REMOVED
- EXISTING ACT CEILING ONLY TO BE REMOVED

GENERAL DEMOLITION NOTES:

1: THE INTENT OF THESE DEMOLITION DRAWINGS IS TO DEFINE A GENERAL SCOPE OF DEMOLITION WORK. THESE DRAWINGS MAY NOT IDENTIFY EVERY INDIVIDUAL ITEM TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL ITEMS WHICH MUST BE REMOVED AND TO WHAT EXTENT. ANY DISCREPANCIES BETWEEN THESE NOTES & DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

2: THIS PORTION OF THE CONTRACT DOCUMENTS REPRESENTS INTERIOR AND EXTERIOR RENOVATION WORK. THE CONTRACTOR SHALL COORDINATE ALL INTERIOR WORK WITH ANY WORK BEING UNDERTAKEN AT THE EXTERIOR (I.E. GROUND BASED MECHANICAL UNITS, PLAYGROUND INSTALLATION, EXTERIOR WALL DEMOLITION AND TEMPORARY SHORING, EXTERIOR CONCRETE FLATWORK, EXTERIOR GRADING AND UNDERGROUND PIPING, ETC.)

3. EGRESS PATHWAYS SHALL BE MAINTAINED FROM THE PROJECT SITE TO THE PUBLIC WAY THROUGHOUT ALL PHASES OF CONSTRUCTION. TEMPORARY EGRESS PATHWAYS IN CLOSE PROXIMITY TO THE EXISTING MAY BE INSTALLED UPON APPROVAL OF THE AUTHORITY HAVING JURISDICTION.

4. ALL ITEMS NOTED TO REMAIN SHALL BE PROTECTED THROUGHOUT THE DURATION OF CONSTRUCTION.

5: REFERENCE PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION AND NEW CONSTRUCTION DRAWINGS FOR FULL EXTENTS OF DEMOLITION REQUIRED IN THOSE AREAS, AND OTHER DEMOLITION THAT MAY BE REQUIRED BASED ON EXISTING CONDITIONS THAT ARE NOT REFERENCED WITHIN ANY DEMOLITION DRAWING LOCATION. SLAB REMOVAL SHOWN ON ARCHITECTURAL DRAWINGS IS CLOSE TO WHAT IS DEEMED NECESSARY FOR THE INSTALLATION OF NEW UNDERSLAB PIPING, BUT REMAINS SCHEMATIC. GC SHALL BE RESPONSIBLE FOR CALCULATING AND LOCATING SLAB DEMOLITION EXTENTS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, PROTECT AND TURN OVER ALL SALVAGE ITEMS, WHERE APPLICABLE, TO THE OWNER. EXISTING TOILETS, LAVATORIES, FAUCETS, FLUSH VALVES AND OTHER REUSABLE ITEMS IN GOOD CONDITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR REUSE AT OWNER DISCRETION. METALS THAT CAN BE RECYCLED (I.E. ALUMINUM OR STEEL) SHALL SAFELY BE SECURED AND SET ASIDE FOR PICK-UP OR DELIVERY TO A RECYCLING CENTER.

7. PORTIONS OF THE PROJECT SITE WILL BE OCCUPIED DURING CONSTRUCTION. CONTRACTOR SHALL GIVE THE SCHOOL PRINCIPAL (OR SCHOOL LIAISON CONTACT ASSIGNED TO COMMUNICATE WITH THE CONTRACTOR DURING CONSTRUCTION) A MINIMUM 72 HOURS ADVANCE NOTICE TO COORDINATE TEMPORARY DISRUPTIONS TO UTILITIES, CIRCULATION OR OTHER ACTIVITIES THAT INTERFERE WITH THE SCHOOL'S DAILY OPERATIONS.

8: THE CONTRACTOR SHALL COORDINATE ALL REQ'D PME RELATED FLOOR, WALL, OR ROOF OPENINGS WITH THE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS, SCHEDULES AND NOTES. ADDITIONALLY, COORDINATE RETROFIT FRAMING/DEMOLITION REQUIREMENTS FOR THESE OPENINGS WITH STRUCTURAL DETAILS AND NOTES WITHIN THE DRAWINGS. **FIELD INVESTIGATION DURING DEMOLITION MAY REQUIRE RECONSIDERATION OF PIPING ROUTES OR FIXTURE CHOICE IN CRITICAL AREAS**.

9: ALL REMOVED AND ABANDONED ITEMS SHALL BE NEATLY CAPPED IN ACCORDANCE WITH THE RESPECTIVE DISCIPLINES.

10: WHERE ITEMS ARE REMOVED, REPAIRS OR UPGRADES AT ABUTTING ITEMS TO REMAIN SHALL BE DONE SO NEATLY AND CLEANLY. REPAIR OR REFINISHING TO OCCUR AS REQ'D TO MAKE ADJACENT AREAS MATCH.

11: CAREFULLY MIND AND OBSERVE ALL STRUCTURAL ITEMS WHEN REMOVING INTERIOR WALLS PRIOR TO DEMOLITION. FIELD LOCATE ALL OCCURRENCES WHERE EXISTING WALLS INTERACT WITH STRUCTURAL ELEMENTS AND **VERIFY BEFORE DEMOLITION** THAT LOADS HAVE NOT BEEN TRANSFERRED OVER TIME. **IF ANY WALL TO BE DEMOLISHED APPEARS IN ANY WAY TO BE LOAD BEARING, THE SUB-CONTRACTOR IS TO INFORM THE ARCHITECT PRIOR TO THE REMOVAL OF THE WALL FOR VERIFICATION. PROVIDE TEMPORARY SHORING AS REQUIRED WHEN REMOVING WALL MATERIAL.**

12: WHERE PLUMBING WASTE/SUPPLY PIPING IS MOVED, CHANGED, OR NEEDS TO BE RECONNECTED AS IT PENETRATES AN EXISTING WALL LOCATION, SELECTIVELY DEMOLISH ONLY THE EXISTING CMU REQUIRED TO MAKE THE CHANGE AND REPLACE WITH NEW MATCHING CMU.

13: IF EXISTING CMU HOLES HAVE BEEN COVERED WITH METAL SHEETS OR OTHER MEANS, METAL COVERS SHALL BE REMOVED AND HOLES SHALL BE REPLACED WITH NEW FULL SIZE OR NEATLY CUT CMU AS REQUIRED. REPAIR SHALL BE SEAMLESS AND MATCH EXISTING ADJOINING FACES AND MATERIAL TEXTURES AS SEAMLESSLY AS POSSIBLE. POOR WORKMANSHIP SHALL BE REJECTED.

14: EXISTING HOLES MADE TO ACCESS CLEANOUTS OR OTHER PIPING JOINTS SHALL BE COVERED WITH APPROPRIATELY SIZED CLEAN OUT COVERS OF STAINLESS STEEL.

15: AT ANY SELECTIVE DEMOLITION CMU WALL REPAIRS, TIE NEW CMU INTO EXISTING TO REMAIN ADJOINING WALLS WITH GALVANIZED STEEL ANCHORS.

16: CAREULLY TOOTH IN NEW BRICK AND CMU AT NEW WALL OPENINGS. TRANSITIONS SHALL BE SEAMLESS AS MUCH AS POSSIBLE. REUSE EXISTING BRICK FROM DEMOLITION. IF NONE ARE SALVAGEABLE, CONTRACTOR SHALL PROVIDE SAMPLES OF MATCHING BRICK FOR REVIEW BY ARCHITECT AND OWNER. USE ONLY SOLID BRICK AND CMU TO TOOTH INTO EXISTING WALLS AND/OR MAKE REPAIRS TO WALLS. NO EXPOSED MASONRY HOLES AT OPENING EDGES SHALL BE ACCEPTED.

17: SEE REFLECTED CEILING DEMOLITION PLANS FOR ADDITIONAL DEMOLITION REFERENCES

18: PATCH ANY REMAINING HOLES IN CONCRETE SLAB PRIOR TO INSTALLING NEW FLOOR BASES AND FINISHES. FLOOR MUST BE SMOOTH PRIOR TO THE INSTALLATION OF LVT FLOORING. CONTRACTOR SHALL PREPARE CONCRETE SURFACE AS REQUIRED BY FLOORING MANUFACTURER STANDARDS.

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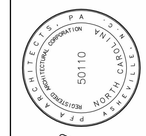

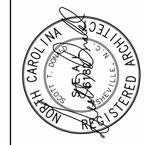

BUNCOMBE COUNTY SCHOOLS
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Revisions

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Date: 09/24/2019
Drawn by: RBS

DEMOLITION PLAN

Sheet Number:
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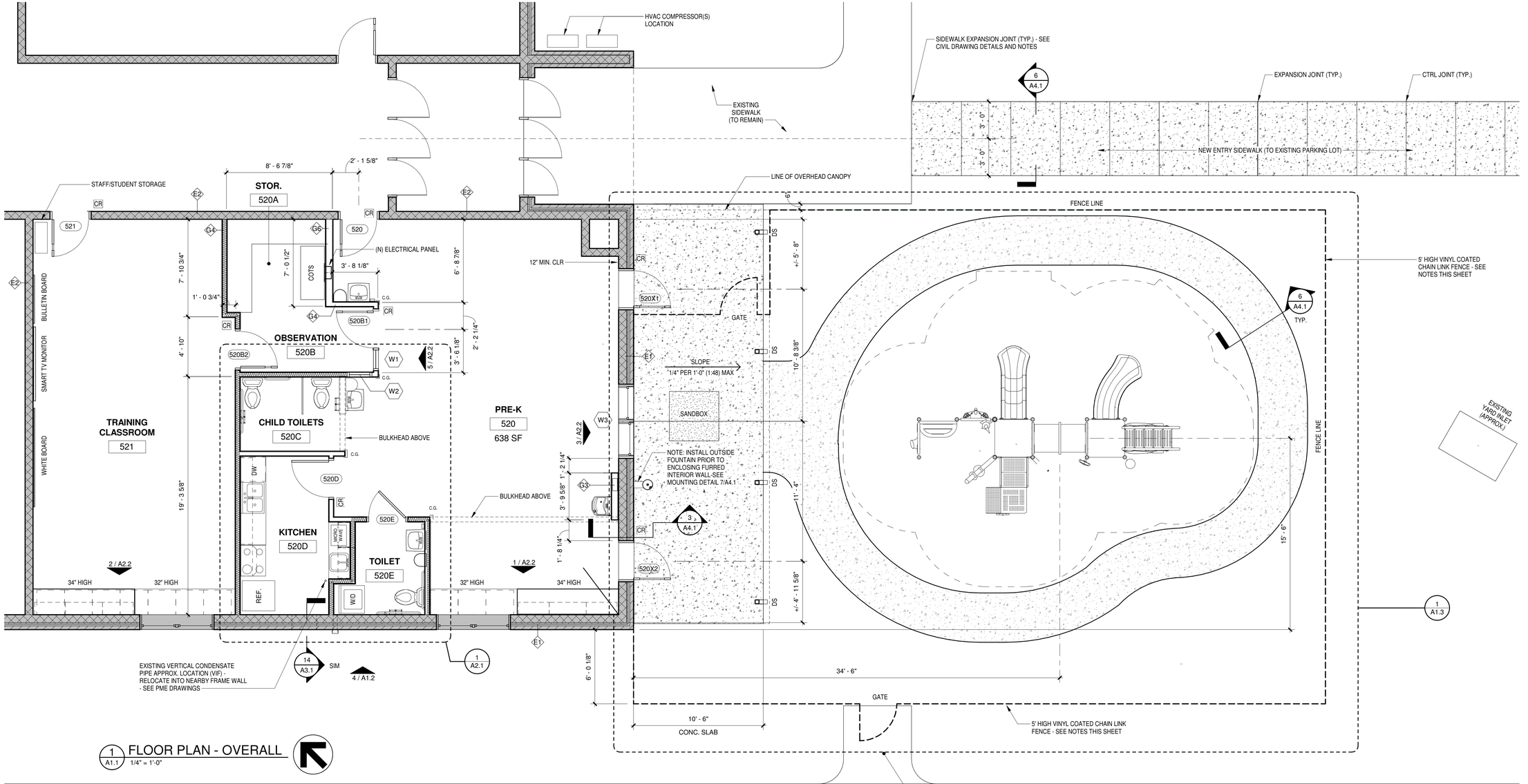

1 / A1.1 FLOOR PLAN - OVERALL
1/4" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	WALL	CEILING	FLOOR	BASE	AREA	COMMENTS
520	PRE-K	PAINTED CMU AND GWB	ACT	LVT	RUBBER	638 SF	ACT - OWNER'S STANDARD SPECIFIED SYSTEM
520A	STOR.	PAINTED CMU AND GWB	ACT	LVT	RUBBER	58 SF	ACT - OWNER'S STANDARD SPECIFIED SYSTEM
520B	OBSERVATION	PAINTED GWB	ACT	LVT	RUBBER	56 SF	ACT - OWNER'S STANDARD SPECIFIED SYSTEM
520C	CHILD TOILETS	PAINTED GWB	ACT	LVT	RUBBER	50 SF	ACT - OWNER'S STANDARD SPECIFIED SYSTEM
520D	KITCHEN	PAINTED CMU AND GWB	ACT	LVT	RUBBER	98 SF	ACT - OWNER'S STANDARD SPECIFIED SYSTEM
520E	TOILET	PAINTED CMU AND GWB	ACT	LVT	RUBBER	48 SF	ACT - OWNER'S STANDARD SPECIFIED SYSTEM

FLOOR PLAN LEGEND:

- EXISTING WALL(S)
- NEW STUD WALL OR INFILL
- NEW STUD WALL OR INFILL WITH SOUND ATTENUATING BATTS IN STUD CAVITIES
- C.R. ACCESS CONTROL HARDWARE
- C.G. CORNER GUARD

CLASSROOM MATERIAL FINISH DESCRIPTIONS

DESCRIPTION
FLOOR - LVT - B.O.D. ARMSTRONG 'PARALLEL' WOODS, 20 MIL THICKNESS OR SHAW 'BRUSH' 20 MIL THICKNESS
BASE - 4" RESILIENT BASE BY JOHNSONITE, TO MATCH FLOORING CHOICE, COLOR BY OWNER.
WALL PAINT - B.O.D. SHERWIN WILLIAMS - COLOR BY OWNER IN AREAS WHERE NEW GYP BD IS BEING INSTALLED. AT BARE CMU WALLS, PAINT WITH (2) LAYERS BLOCK FILLER PRIOR TO APPLYING FINISH COATS.
CASEWORK - WILSONART HIGH PRESSURE LAMINATE, COLOR: TBD BY OWNER - COORDINATE WITH OWNER
CEILINGS - NEW ACOUSTIC CEILING TILE AND GRID TO MATCH OWNER'S TYPICAL SPECIFICATION - COORDINATE WITH OWNER

WALL TYPES

- G4 — 5/8" TYPE 'X' GYP BD, 3 5/8" METAL STUDS, SOUND ATTENUATION BATTS (WHERE INDICATED), 5/8" TYPE 'X' GYP BD
- G3 — 6" METAL STUDS, 5/8" TYPE 'X' GYP BD
- G6 — 5/8" TYPE 'X' GYP BD, 2 1/2" METAL STUDS, SOUND ATTENUATION BATTS, 5/8" TYPE 'X' GYP BD
- E2 — 8" EXPOSED CMU
- E1 — 8" EXPOSED CMU, 1 1/2" RIGID INSULATION, 1 3/4" AIR SPACE, 3 5/8" BRICK VENEER

FLOOR PLAN NOTES

1. **METAL STUD WALL FRAMING**:
   1. ALL METAL STUD FRAME WALLS SHALL EXTEND FROM TOP OF EXISTING CONCRETE SLAB TO BOTTOM OF EXISTING ROOF DECK. FASTEN METAL STUD SILL TRACK TO EXISTING CONCRETE FLOOR SLAB WITH GALVANIZED METAL FASTENERS IN A CODE REQ'D PATTERN.
   2. SCREW METAL SLOTTED TOP TRACK INTO METAL ROOF DECK WITH APPROPRIATE FASTENERS, SIZE AND DEPTH AS REQ'D BY CODE. CONSTRUCT ALL WALLS PLUMB AND TRUE.
   3. DIAGONAL BRACING KICKERS SHALL BE REQUIRED AT ALL NEW FRAME WALLS AND BULKHEADS UON. INSTALL EVERY 48" O.C. AS ILLUSTRATED IN THE DRAWING DETAILS. WALLS INTERSECTED BY ANOTHER PERPENDICULAR WALL SHALL BE CONSIDERED BRACED AT THAT POINT - NEXT KICKER CAN BE 48" AWAY FROM A FRAMING INTERSECTION.

GENERAL FLOOR PLAN NOTES:

1. COORDINATE ALL REFERENCES TO ELECTRICAL DEVICES AND DATA DROPS ON ARCHITECTURAL FLOOR PLAN DRAWINGS WITH PME DRAWINGS. OWNER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF DATA AND LOW VOLTAGE WIRING.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATION THE LOCATION OF LOW-VOLTAGE AND DATA WIRING AS IT RELATES TO THE LOCATION(S) OF ELECTRICAL WIRING.
3. WHERE NEW OPENINGS ARE CREATED OR OLD OPENINGS MODIFIED OR FILLED IN EXISTING WALLS, THE NEW FINISH AREAS SHALL MATCH THE EXISTING ADJACENT AREAS AND BE PLUMB AND FLUSH. ALL ALTERED WALLS, ESPECIALLY THOSE REPAIRED WITH NEW RAW CMU, SHALL BE PREPPED, PRIMED AND PAINTED ANEW, BACK TO THE NEAREST INSIDE OR OUTSIDE CORNER UNLESS NOTED OTHERWISE. RAW CMU SHALL BE PRIMED WITH (2) COATS OF BLOCK FILLER PRIOR TO FINISH PAINT COAT.
4. SEE FLOOR PLANS FOR APPLICABLE WALL TYPES. WHERE TYPES ARE TO MATCH EXISTING CONSTRUCTION, ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED.
5. SEE PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS, NEW DRAIN PIPING AND INSTALLATION DETAILS, WHERE APPLICABLE.
6. SEE REFLECTED CEILING PLANS FOR EXTENTS OF NEW CEILING WORK. **NOTE:** CEILING TREATMENTS AND FINISH HEIGHTS VARY AMONG ROOM LOCATIONS.
7. SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF CASEWORK, KITCHEN ACCESSORIES, TOILET ACCESSORIES, ADA HEIGHTS AND REACH, ETC.
8. WHERE EXISTING CMU WALLS ARE NEWLY FURRED, PROVIDE SUPPORT BLOCKING AT ALL FRAME WALL STUD CAVITIES AT ATTACHMENT POINTS FOR WALL MOUNTED PLUMBING OR ACCESSORY ITEMS PRIOR TO APPLYING FINISHES. SEE INTERIOR ELEVATIONS FOR ADDITIONAL GRAPHIC LOCATION INFORMATION FOR WALL MOUNTED ITEMS REQUIRING BLOCKING.
9. ALL NEW GWB INSTALLED SHALL BE 5/8" TYPE 'X' GYPSUM WALLBOARD TO EXTENTS INDICATED IN INTERIOR ELEVATIONS AND DETAILS. TYPE 'X' PROVIDES ADDED MOISTURE RESISTANCE AND ABUSE RESISTANT PROPERTIES REQUIRED FOR THE RENOVATED SPACES.
10. ALL NEW INTERIOR STUD WALLS SHALL BE A MIN. OF 20 GA. WITH STUDS ANCHORED TO EXISTING CMU AT ALL WALL ENDS. BRACE TOPS OF WALLS AT 4'-0" OC. SEE DETAILS SHEET A1.2.
11. ALL NEW PIPING, DUCT, OR CONDUIT OPENINGS REQUIRED TO RUN ACROSS CMU WALLS SHALL BE CORE DRILLED OR SAW CUT WHERE REQUIRED AT EACH LOCATION. FIELD LOCATE TO MISS EXISTING STRUCTURAL ELEMENTS. REFER TO ARCHITECTURAL DETAILS FOR MISCELLANEOUS PLATES, ETC. REQUIRED TO SUPPORT NEW OR RETROFIT OPENINGS IN NEW OR EXISTING MASONRY WALLS. ALL FLOOR, CEILING, FLOOR AND WALL OPENINGS TO BE PATCHED AND REPAIRED UPON INSTALLATION OF NEW THRU - ITEM.
12. ALL NEW REFILLABLE TOILET ROOM DISPENSERS (SOAP, TOILET PAPER, TOWEL ETC.) SHALL BE OWNER PROVIDED AND INSTALLED BY CONTRACTOR. FOR WALL MOUNTED ITEMS, THE G.C. SHALL SUPPLY GENEROUS STUD WALL BLOCKING ACCORDING TO THE FLOOR PLANS AND INTERIOR ELEVATIONS TO SUPPORT NEW WALL MOUNTED FIXTURES WHILE ALLOWING FLEXIBILITY TO LOCATE ITEMS WHERE BEST SUITED FOR SMALL CHILDREN. ITEMS LISTED ON TOILET ACCESSORY SCHEDULE SHALL BE VERIFIED WITH OWNER.
13. NEW CANOPY SHALL BE PROVIDED BY OWNER AND INSTALLED BY CANOPY MANUFACTURER.
14. SIGNAGE RELATED TO ACCESSIBILITY AND ROOM IDENTIFICATION SHALL BE AS DETAILED IN THE DRAWINGS AND SHALL BE FURNISHED AND INSTALLED BY THE G.C. PROVIDE SHOP DRAWINGS FOR OWNER AND ARCHITECT REVIEW BASED ON ARCHITECTURAL DETAILS.
15. CONNECT DOWNSPOUTS TO UNDERGROUND DRAINAGE PIPING - SEE NOTES SHEET A1.2 AND CIVIL DRAWINGS.
16. **APPLIANCE NOTE**: NEW REFIGERATOR MUST HAVE A THERMOMETER EITHER BUILT-IN TO THE APPLIANCE OR HAVE ONE VISIBLE WITHIN THE UNIT.
17. LOW VOLTAGE WIRING AND DATA DROPS SHALL BE PROVIDED BY AND COORDINATED BY OWNER.
18. PRIOR TO MOUNTING NEW SMART TV MONITOR, VERIFY PREFERRED LOCATION WITH OWNER.

GENERAL NOTES - OWNER PHASING:

1. OWNER SHALL COORDINATE AND INDIVIDUALLY CONTRACT EXTERIOR WORK (EXTERIOR CANOPY, PLAYGROUND, ETC.) TO INDIVIDUAL ENTITIES AS SCHEDULE PERMITS.
2. ALL INTERIOR WORK, (AND THAT PORTION OF THE INTERIOR WORK EXTENDING OUTSIDE SUCH AS EMERGENCY LIGHTING, SHALL BE UNDERTAKEN AS PART OF A STANDARD SINGLE PRIME BIDDING PROCESS.

GENERAL NOTES - PLAYGROUND:

1. COORDINATE PLAYGROUND ITEMS, EQUIPMENT AND INSTALLATION WITH OWNER.
2. FENCE SURROUNDING PLAYGROUND SHALL BE **5'-0" HIGH** VINYL COATED 9 GA. CHAIN LINK FABRIC WITH COLOR COATED RAILS, LINE POSTS, TERMINAL POSTS, LOOP CAPS, POST CAPS, TENSION BARS, TENSION BANDS AND END CAPS. PROVIDE (2) 3'-0" x 5'-0" COLOR COATED SWING GATES WITH CHILD PROOF LOCKING MECHANISM. COLOR BY OWNER. VERIFY CHAIN LINK TOPS AND BOTTOMED ARE TWISTED OVER.
3. GATE LOCKING MECHANISMS SHALL BE APPROVED BY OWNER. **BASIS OF DESIGN**: TRIDENT 20 INCH TALL BLACK MAGNETIC POOL CHILD SAFETY GATE LATCH (TRIDENT-20-BK-KA). VERIFY MODEL IS COMPATIBLE WITH ROUND CHAIN LINK FENCE POSTS.
4. DASHED LINES AROUND PLAYSET INDICATE FALL ZONE SAFETY AREA. TRACK LAYOUT SHALL NOT ENCROACH WITHIN THE FALL ZONE AREA ONCE THE PLAYSET IS PERMANENTLY PLACED.
5. ENTIRE AREA WITHIN THE TRACK SHALL BE FALL ZONE COMPLIANT ARTIFICIAL TURF. ALL TURF OUTSIDE TRACK AND TO FENCE LINES SHALL BE NON-FALL ZONE TYPE TURF. SEE CIVIL DRAWINGS FOR DETAILS & MATERIAL EXTENTS.

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Revisions

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FLOOR PLAN - OVERALL

Sheet Number: **A1.1**

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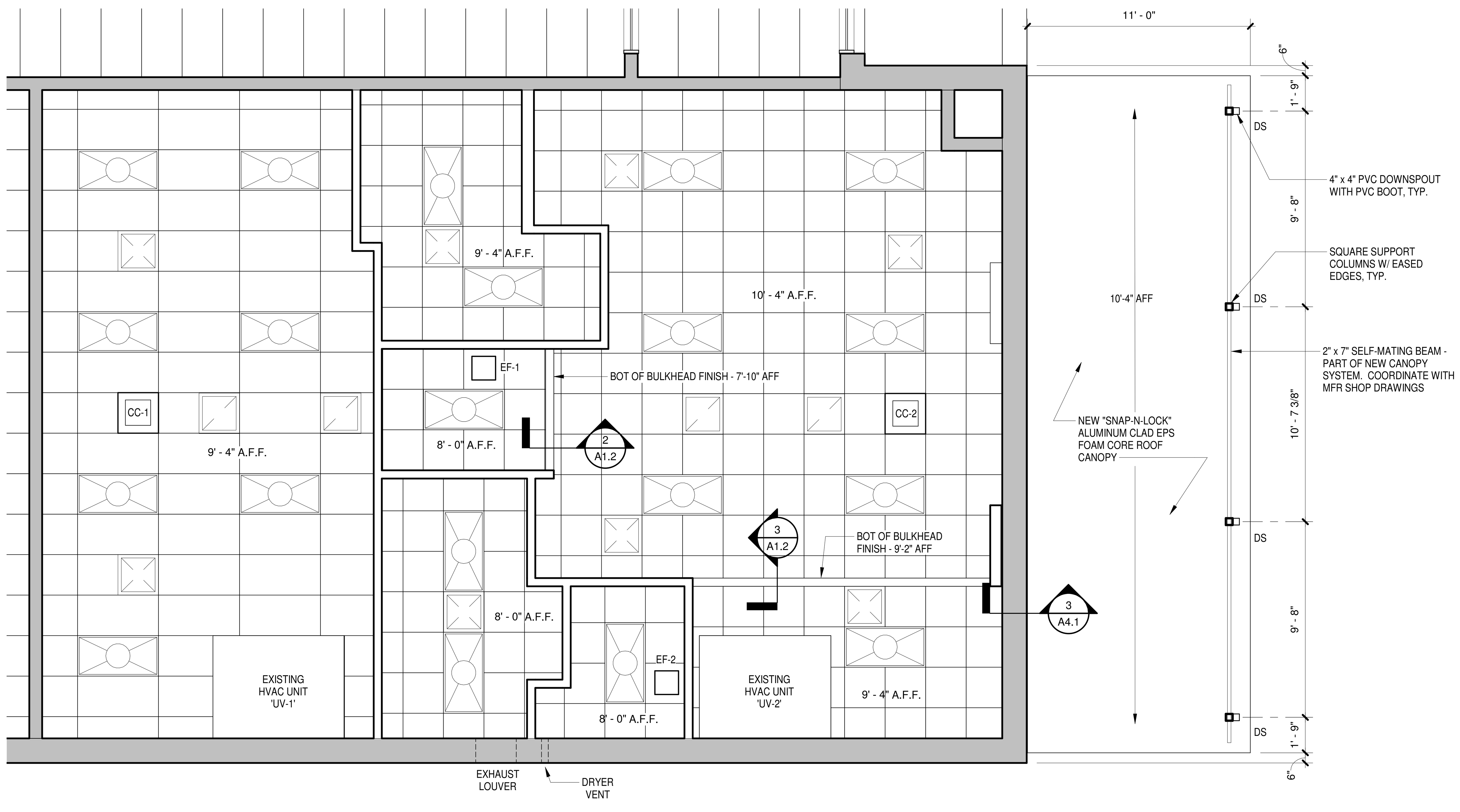
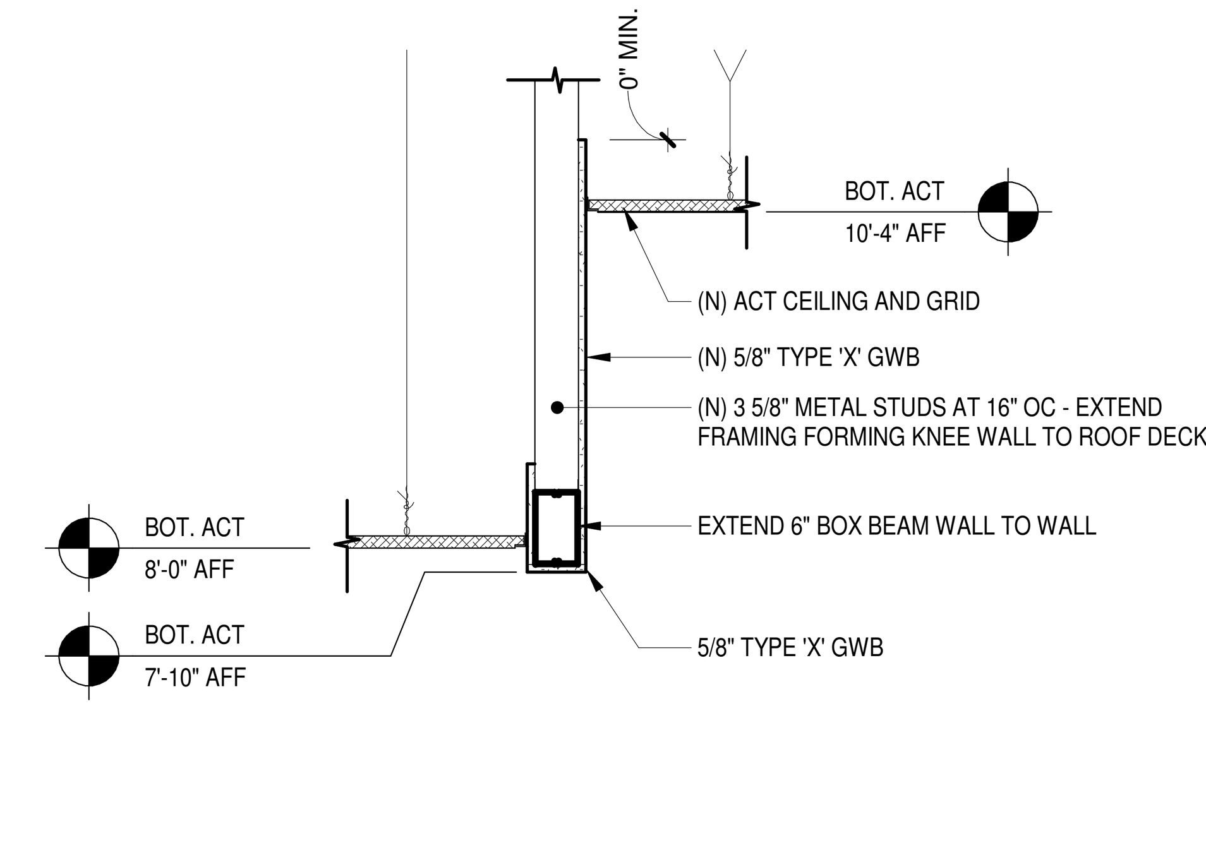


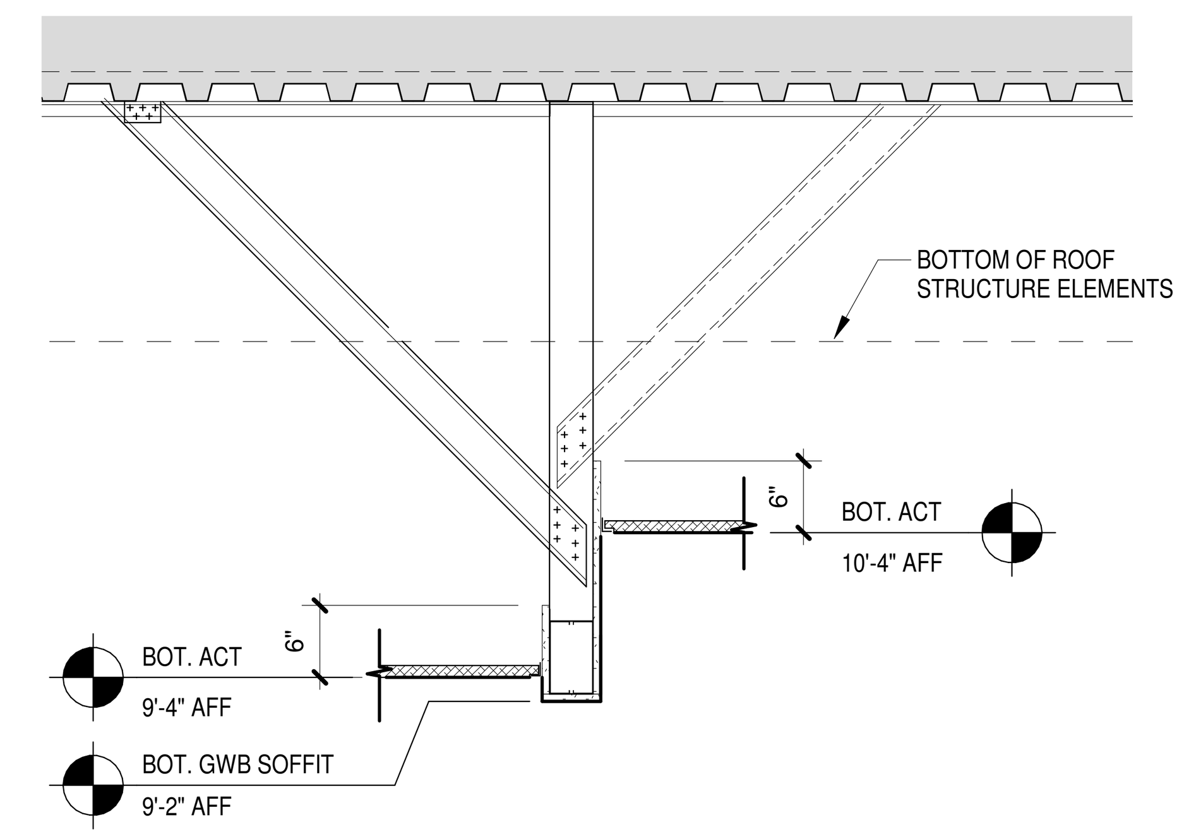
FINISH CEILING NOTE:

1: COORDINATE LIGHTS AND LOUVER LOCATIONS AS WELL AS NEW AND EXISTING DUCTWORK & PIPING ABOVE CEILING

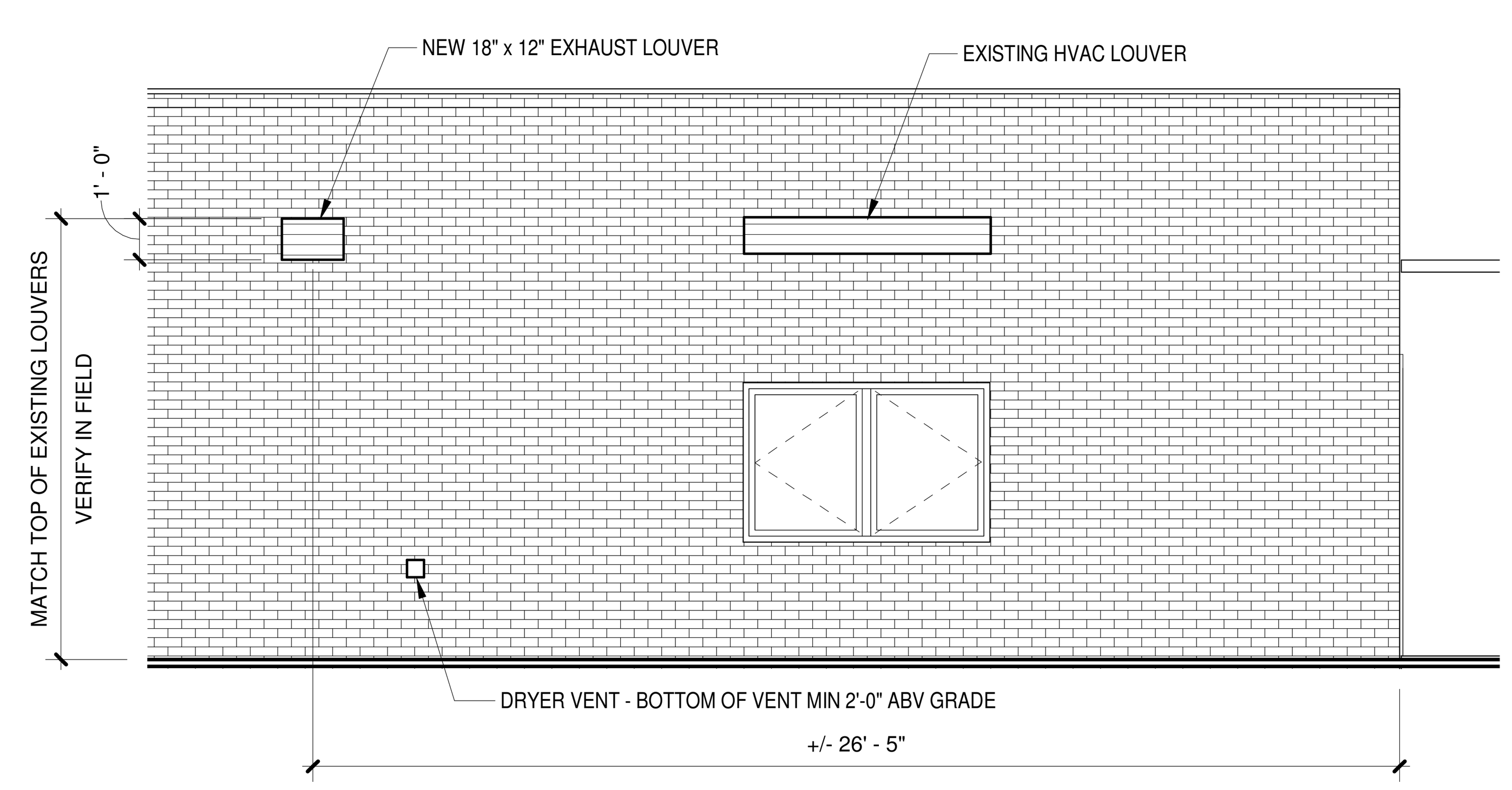
1 REFLECTED CEILING PLAN
A1.2 1/4" = 1'-0"



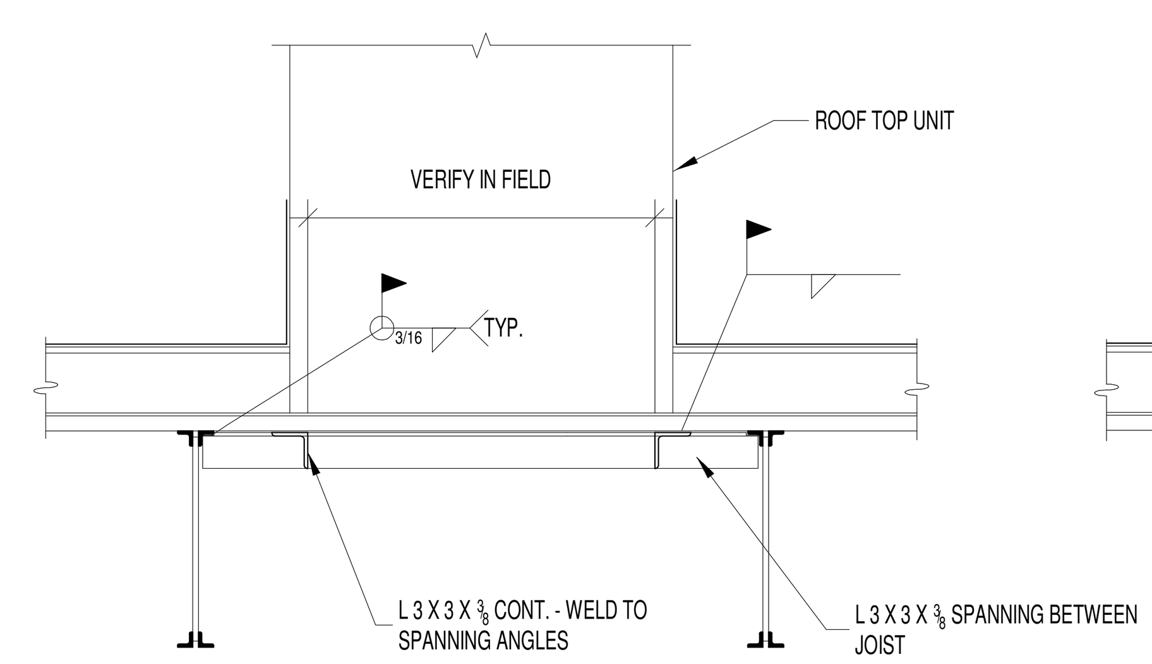
2 BULKHEAD DETAIL AT CHILD TOILET
A1.2 3/4" = 1'-0"



3 BULKHEAD DETAIL AT RAISED CEILING
A1.2 3/4" = 1'-0"

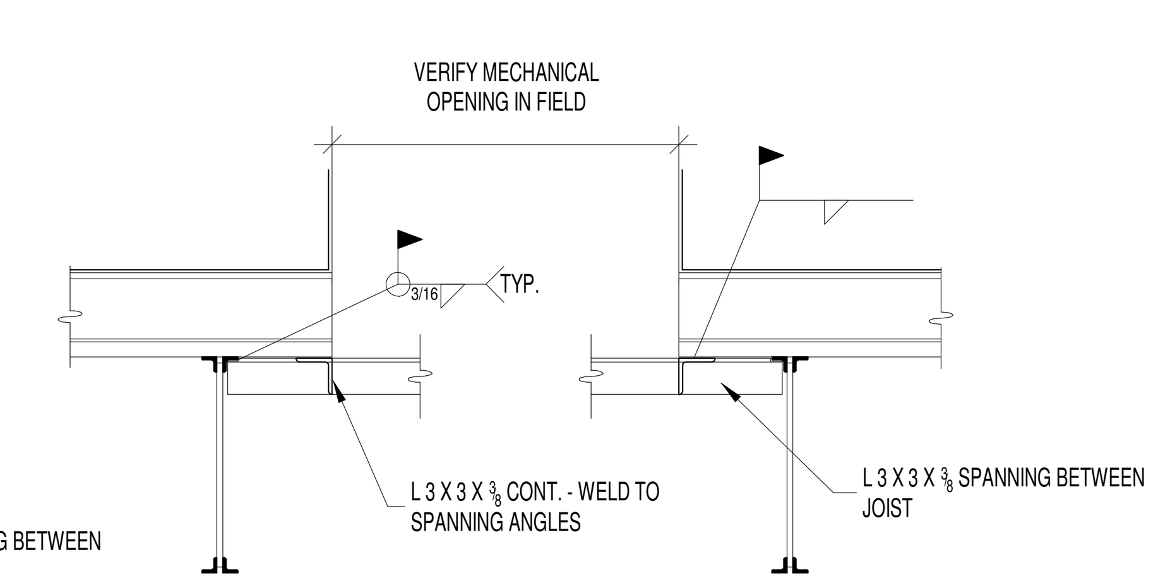


4 EXTERIOR LOUVER LOCATION
A1.2 1/4" = 1'-0"



NOTE:
ALL ANGLES FOR FRAMED RTU SUPPORT SHALL BE LOCATED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.

TYPICAL ROOF TOP UNIT SUPPORT (BETWEEN BAR JOISTS)



NOTE:
ALL ANGLES FOR FRAMED ROOF OPENING SHALL BE LOCATED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.

TYPICAL FRAMED ROOF OPENING (BETWEEN BAR JOISTS)

5 FRAMED ROOF OPENINGS
A1.2 3/4" = 1'-0"

RCP LEGEND:

- 2'x4' LIGHT FIXTURE (EXISTING TO BE REUSED)
- 2'x4' LED LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x4' LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- CEILING MOUNTED LIGHT FIXTURE
- WALL SCONCE FIXTURE
- 4' STRIP LIGHT FIXTURE
- MECH. SUPPLY GRILLES
- MECH. RETURN AIR GRILLES
- 8'-0" AFF — CEILING HEIGHT TAG
- ACT-1 — CEILING MATERIAL TAG
- 2'X2' LAY-IN ACOUSTICAL TILE CEILING & GRID
- PAINTED GYP. BD.

RCP NOTES:

1. CEILING HEIGHTS AS NOTED ON DRAWINGS.
2. CONTRACTOR TO COORDINATE ALL CEILING MOUNTED ITEMS INCLUDING LIGHTS, DIFFUSERS, SPRINKLER HEADS, CEILING MOUNTED DEVICES, ETC.

REFLECTED CEILING PLAN NOTES

1. REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES PERTAINING TO CEILINGS AND ITEMS NOTED TO BE "ABOVE".
2. GC SHALL COORDINATE ARCHITECTURAL AND PME DRAWINGS AND ALL ITEMS PERTAINING TO ALL DISCIPLINES.
3. GC SHALL DISTRIBUTE ARCHITECTURAL DRAWINGS TO SUB-CONTRACTORS TO HELP ENSURE THE COORDINATION BETWEEN TRADE INSTALLATIONS AND ARCHITECTURAL INTENT.
4. FOR UNBRACED SECTIONS OF FLOOR TO DECK FRAME WALLS LONGER THAN 8', ADD METAL STUD "KICKERS" AT 48" O.C. - SEE DETAILS 3/A1.2 AND 1/A4.1 FOR DETAILS
5. NEW ACOUSTIC CEILING TILES AND SUSPENSION GRID SHALL BE OWNERS' STANDARD SPECIFIED LAY-IN ACOUSTIC CEILING TILE AND GRID SYSTEM USED THROUGHOUT THE BUNCOMBE COUNTY SCHOOL CAMPUSES. COORDINATE PRODUCT WITH OWNER PRIOR TO PRICING AND ORDERING.
6. CENTER CEILING MOUNTED ITEMS IIN THE CENTER OF CEILING TILE PANELS, TYP.

NEW "SNAP-N-LOCK" (ALUMINUM CLAD EPS FOAM CORE ROOF PANELS) CANOPY NOTES

1. CANOPY SYSTEM HAS BEEN SPECIFIED, REVIEW, APPROVED AND INSTALLED BY OWNER IN SEVERAL PREVIOUS PROJECTS.
2. REFER TO MANUFACTURER'S STANDARD INSTALLATION DETAILS FOR ATTACHING SYSTEM RECEPTOR / HEADER TO EXISTING BUILDING FACADE.
3. ADD ADDITIONAL BRICK VENEER TIES INDICATED IN DETAIL 4/A4.1.
4. CIRCULAR SUPPORT COLUMNS ARE AVAILABLE FOR THE OPEN (SOUTH) SIDE OF THE CANOPY, HOWEVER THE TYPICAL INSTALLATION IS WITH SQUARE COLUMNS AND SQUARE PVC DOWNSPOUTS. GC SHALL COORDINATE WITH OWNER THEIR PREFERENCE PRIOR TO ORDERING THE CANOPY SYSTEM AND IT'S COMPONENTS.
5. CANOPY SYSTEM DOWNSPOUTS ARE TYPICALLY 3" x 3" OR 4" x 4" AND ARE OFFSET FROM THE EDGE OF THE CONCRETE SLAB. GC SHALL PROVIDE THE HORIZONTAL TURN TO EXTEND PAST THE EXTERIOR SLAB EDGE AND THE VERTICAL TURN TO BELOW GRADE THAT CONNECTS TO THE UNDERGROUND DRAINAGE SYSTEM (SEE CIVIL DRAWINGS FOR EXTENTS). MATERIAL TO CREATE THE TURNS SHALL BE PVC TO MATCH THE DOWNSPOUTS INCLUDED WITH THE CANOPY INSTALLATION OR AN APPROVED EQUAL PRESENTED TO THE ARCHITECT AND OWNER FOR REVIEW. ALL UNDERGROUND PIPING DRAINAGE PIPING SHALL BE AS INDICATED IN THE CIVIL DRAWINGS.
6. GRC SHALL PROVIDE THE UNDERGROUND CONNECTION FROM THE DOWNSPOUTS AND TURNS TO THE 6" DIA HDPE UNDERGROUND DRAIN PIPE.
7. INSTALL COLUMNS INTO NEW CONCRETE SLAB PRE MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL REQUIRED HOLES SHALL BE DRILLED TO DEPTH AND ANCHORS INSTALLED PER INSTRUCTIONS.
8. ONCE POST BRACKETS ARE INSTALLED, TRIM BOLTS, GRIND ALL BURRS AND PROVIDE PERMANENT STAINLESS STEEL SCREW CAPS FOR ALL EXPOSED BOLT LENGTHS THAT REMAIN ABOVE THE NUT ONCE TIGHTENED. PROVIDE (1) EXTRA CAP PER EXPOSED BOLT (THOSE THAT HOLD THE POST BRACKET TO CONCRETE AND THOSE THAT HOLD POST TO BRACKET) AT THE CONCLUSION OF THE WORK.
9. CANOPY MANUFACTURER SHALL PROVIDE FULL SYSTEM SHOP DRAWINGS FOR OWNER AND ARCHITECT REVIEW PRIOR TO FABRICATION.
10. CANOPY HEIGHT AT WALL SHALL BE SET AT APPROX. **10'-4"** SO THAT NEW EXISTING SECURITY CAMERAS WILL HAVE FULL VIEW OF PLAYGROUND.

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Revisions	
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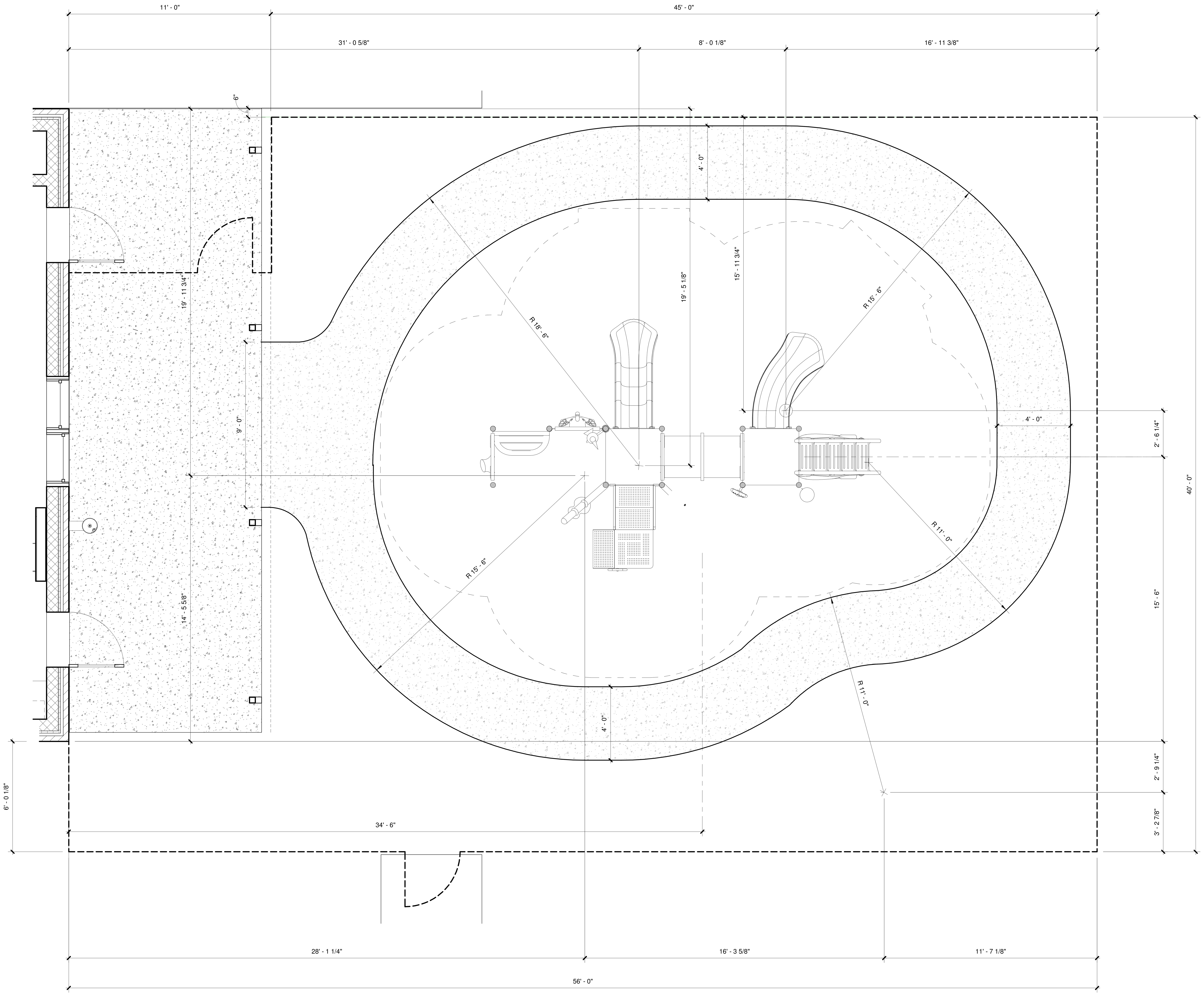
Project Number: 1931
Date: 09/24/2019
Drawn by: RBS

REFLECTED CEILING PLAN

Sheet Number:
A1.2

9/26/2019 1:57:30 AM



1 PLAYGROUND PLAN
A1.3 3/8" = 1'-0"

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Revisions

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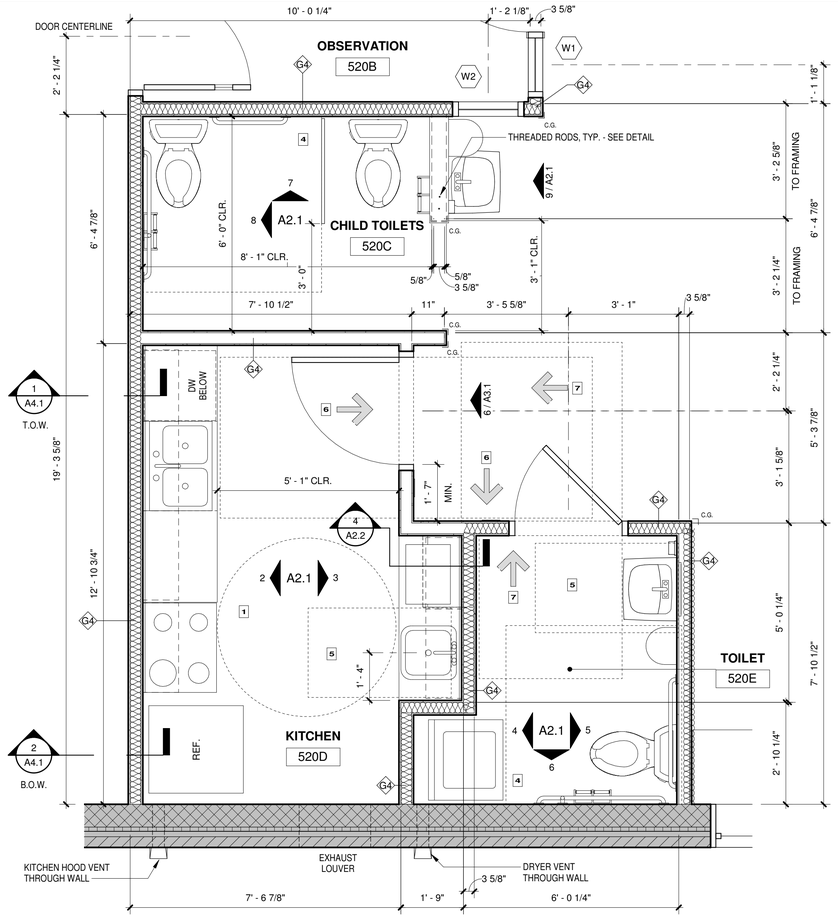
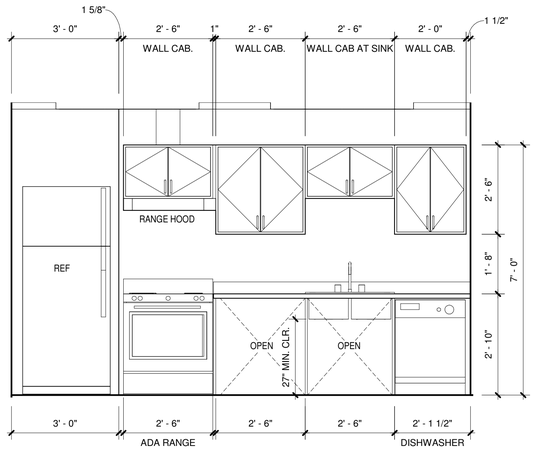
ENLARGED PLAYGROUND PLAN

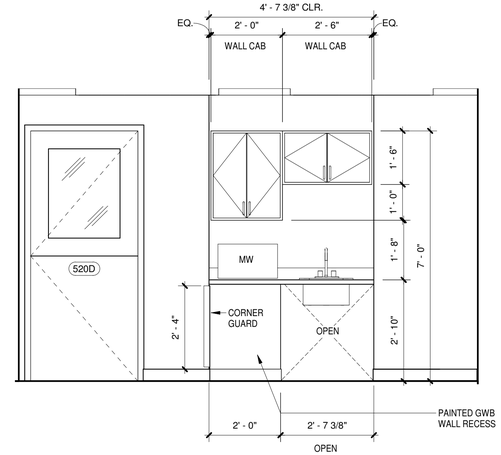
Sheet Number:
A1.3



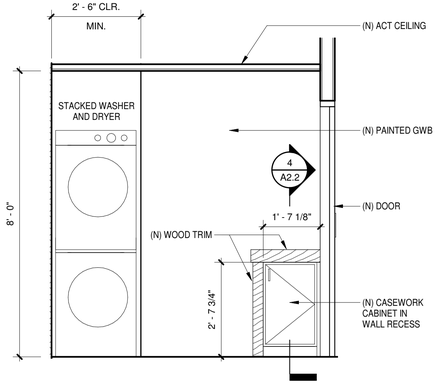
1 A2.1 ENLARGED FLOOR PLAN
1/2" = 1'-0"



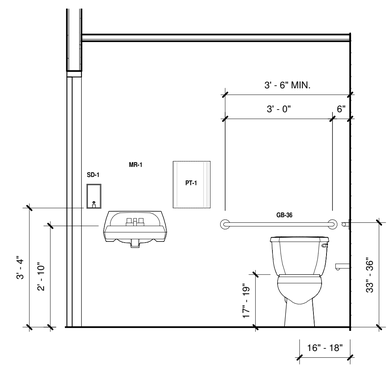
2 A2.1 KITCHEN ELEVATION - WEST
1/2" = 1'-0"



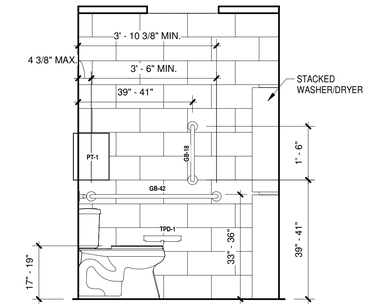
3 A2.1 KITCHEN ELEVATION - EAST
1/2" = 1'-0"



4 A2.1 ADULT TOILET - WEST
1/2" = 1'-0"



5 A2.1 ADULT TOILET - EAST
1/2" = 1'-0"



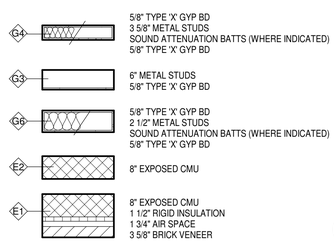
6 A2.1 ADULT TOILET - SOUTH
1/2" = 1'-0"

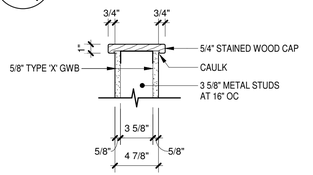
TOILET SPACE MANEUVERING CLEARANCE LEGEND

SYM	DESCRIPTION
1	60" DIAMETER TURNING CIRCLE (ALLOWABLE IN EXISTING BUILDINGS)
2	30" x 48" MANEUVERING SPACE PAST DOOR SWING
3	60" x 59" CLEARANCE AT FLOOR MOUNTED TOILET.
4	60" x 59" CLEARANCE AT FLOOR MOUNTED TOILET IN AN INDIVIDUAL TOILET COMPARTMENT (ADULTS AND CHILDREN)
5	30" x 48" FRONT APPROACH CLEARANCE (ALLOWABLE IN EXISTING BUILDINGS)
6	54" x 60" MANEUVERING CLEARANCE AT DOOR - FRONT APPROACH (18" CLR. AT PULL SIDE)
7	48" x 48" MANEUVERING CLEARANCE AT DOOR - FRONT APPROACH 12" CLR. AT PUSH SIDE (WITH BOTH CLOSER & LATCH)
	DIRECTION OF TRAVEL

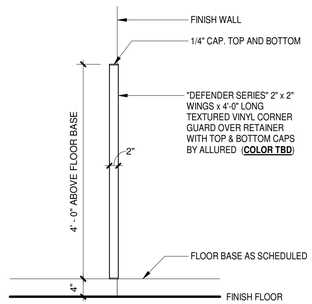
NOTE:
1. SEE ENLARGED PLANS FOR ADDITIONAL INFORMATION.
2. MANEUVERING SPACES CAN OVERLAP.
3. A PLUMBING FIXTURE CANNOT BE IN THE MANEUVERING SPACE OF ANOTHER FIXTURE.
4. WALL OR POST MOUNTED OBJECTS SHALL NOT PROJECT INTO THE APPROACH PATH OF A MANEUVERING SPACE BY MORE THAN 4 INCHES UNLESS < 27" AFF.
5. TURNING RADIUS SHALL EXTEND UNDER COUNTERS NO MORE THAN 10", MAX.

WALL TYPES





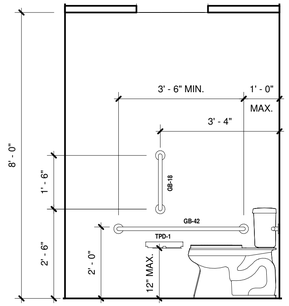
12 A2.1 STAINED WOOD CAP
1 1/2" = 1'-0"



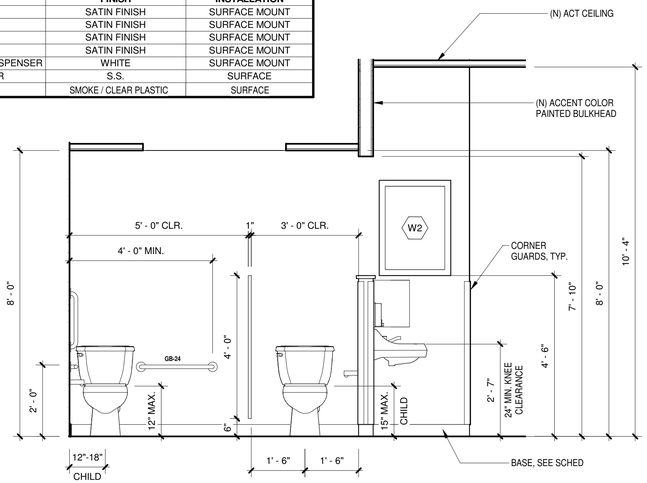
11 A2.1 TYP. CORNER GUARD ELEV.
3/4" = 1'-0"

TOILET ACCESSORIES SCHEDULE

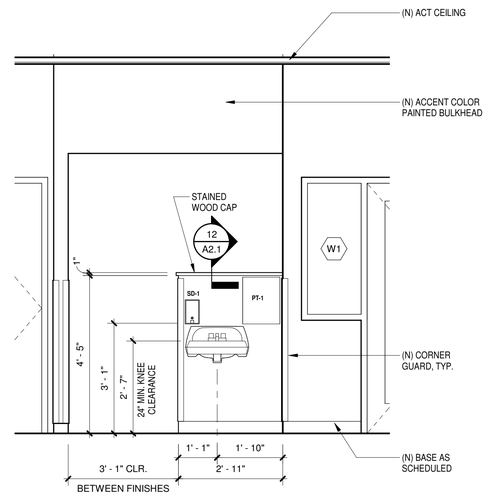
TA MARK	MODEL	DESCRIPTION	FINISH	INSTALLATION
GB-18	B-5806.99X18	GRAB BAR 18"	SATIN FINISH	SURFACE MOUNT
GB-36	B-5806.99X36	GRAB BAR 36"	SATIN FINISH	SURFACE MOUNT
GB-42	B-5806.99X42	GRAB BAR 42"	SATIN FINISH	SURFACE MOUNT
MR-1	B-290 1830	STAINLESS STEEL FRAME MIRROR	SATIN FINISH	SURFACE MOUNT
SD-2	92144	KIMBERLY CLARK - FOAM HAND SOAP DISPENSER	WHITE	SURFACE MOUNT
TPD-1	B-2740	DOUBLE ROLL TOILET PAPER DISPENSER	S.S.	SURFACE
PT-1	59489	GP SOFPULL PAPER TOWEL DISPENSER	SMOKE / CLEAR PLASTIC	SURFACE



8 A2.1 CHILD TOILET - WEST
1/2" = 1'-0"



7 A2.1 CHILD TOILET - NORTH
1/2" = 1'-0"



9 A2.1 CHILD HAND WASH SINK
1/2" = 1'-0"
SEE DETAIL A/--- FOR FRAMING ANCHOR DETAIL THIS SHORT WALL

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Revisions	
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Project Number:	1931
Date:	09/24/2019
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ENLARGED FLOOR PLANS

Sheet Number:
A2.1

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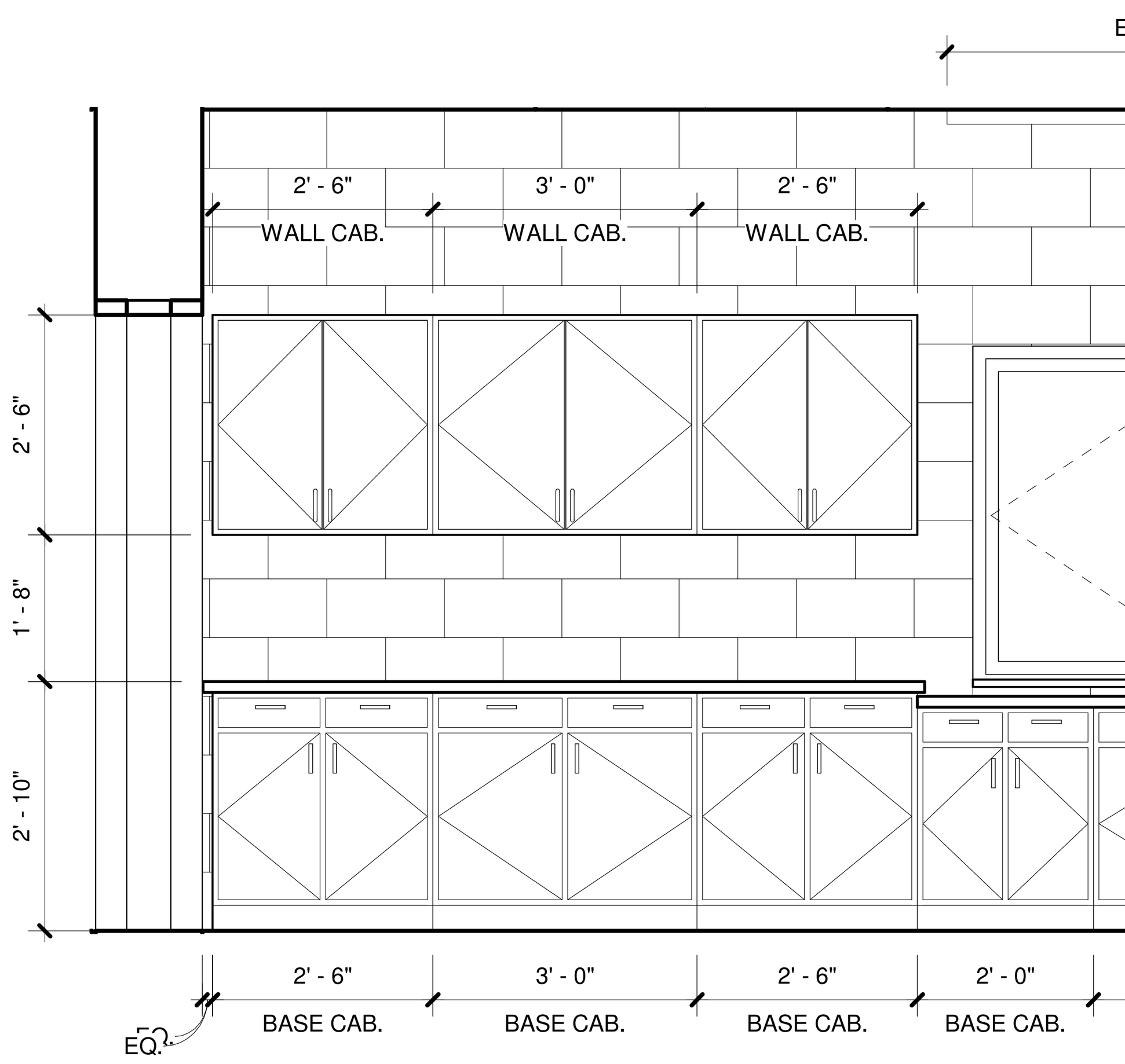
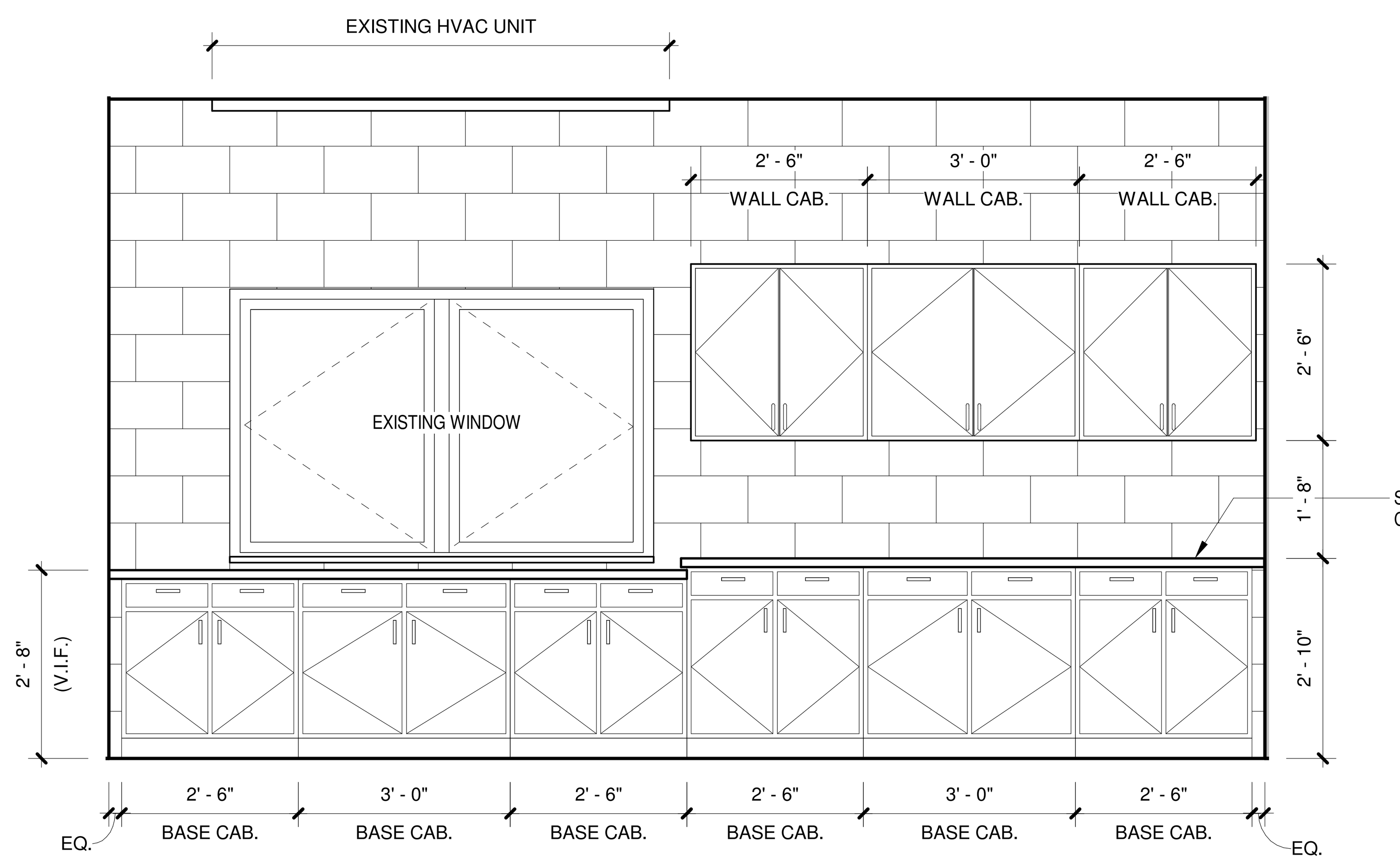
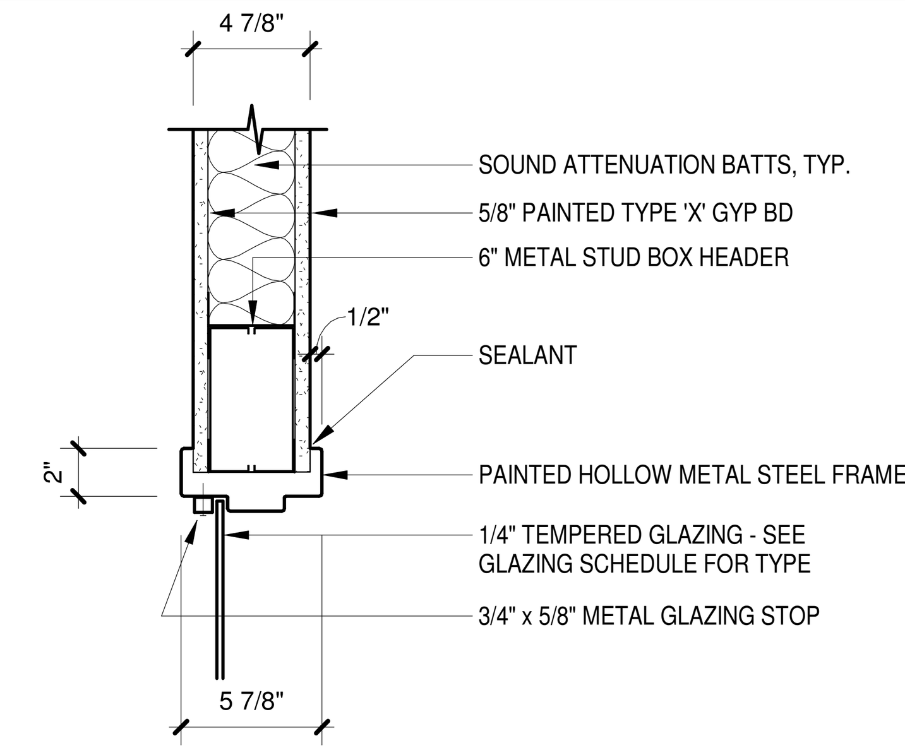


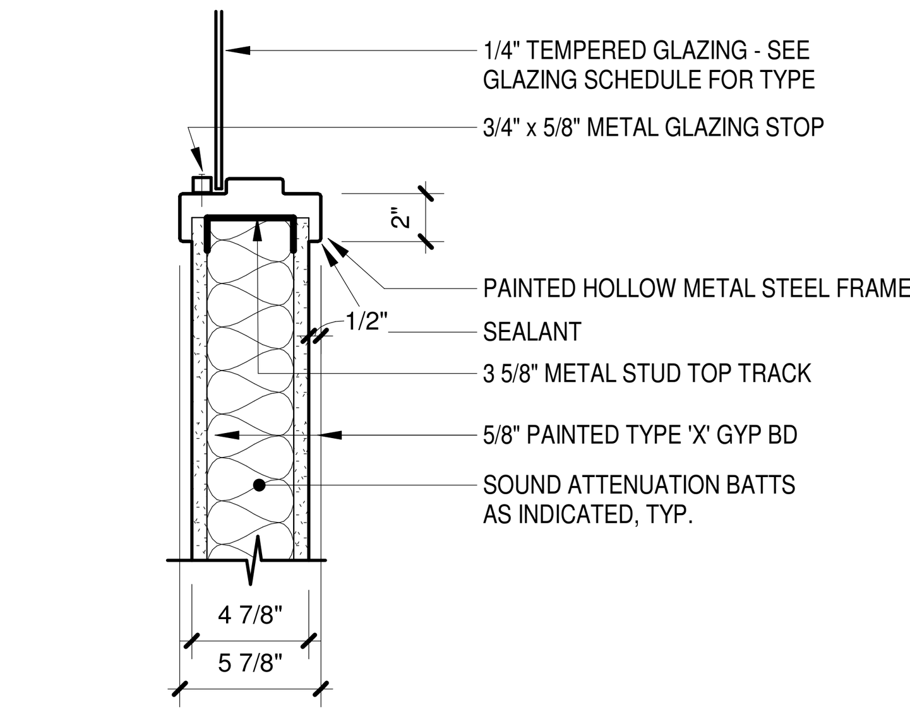
1 520 - PRE-K - SOUTH ELEVATION
A2.2 1/2" = 1'-0"



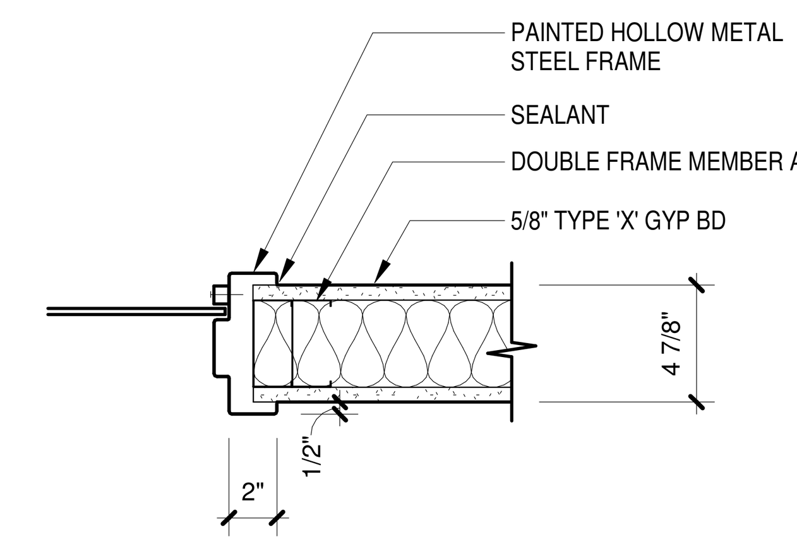
2 521 - TRAINING CLASSROOM - SOUTH
A2.2 1/2" = 1'-0"



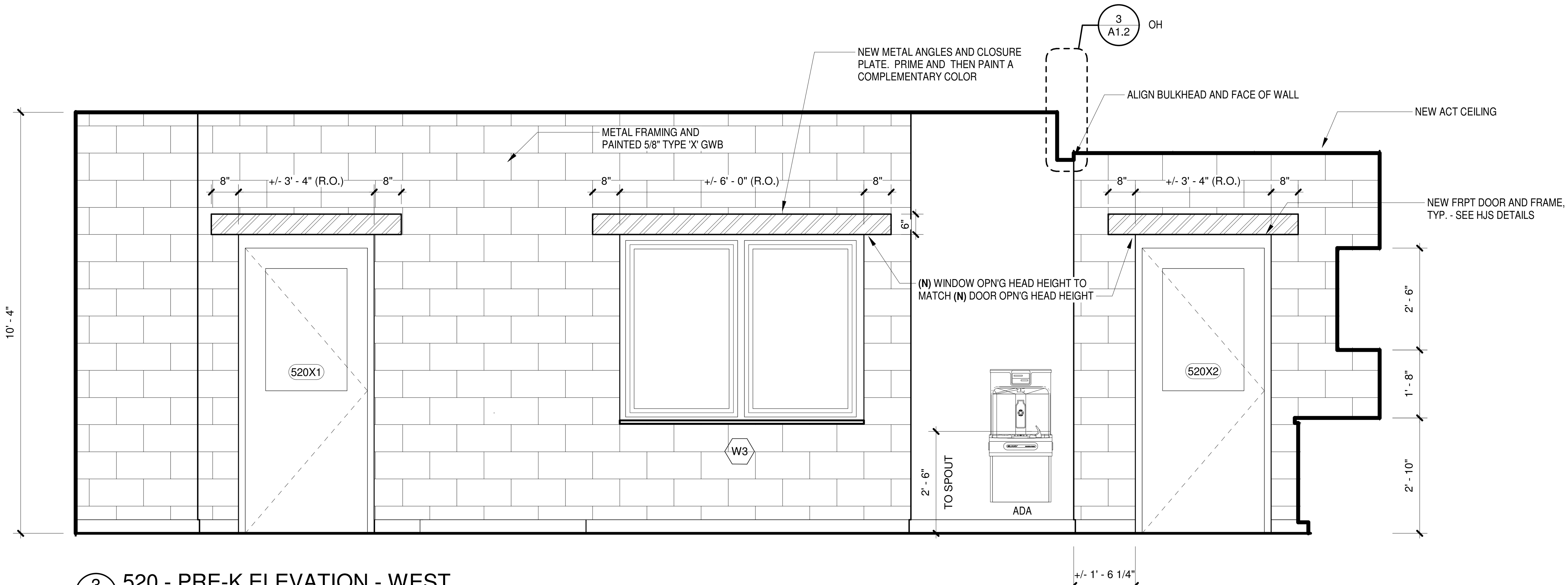
6 INTERIOR WINDOW HEAD DETAIL



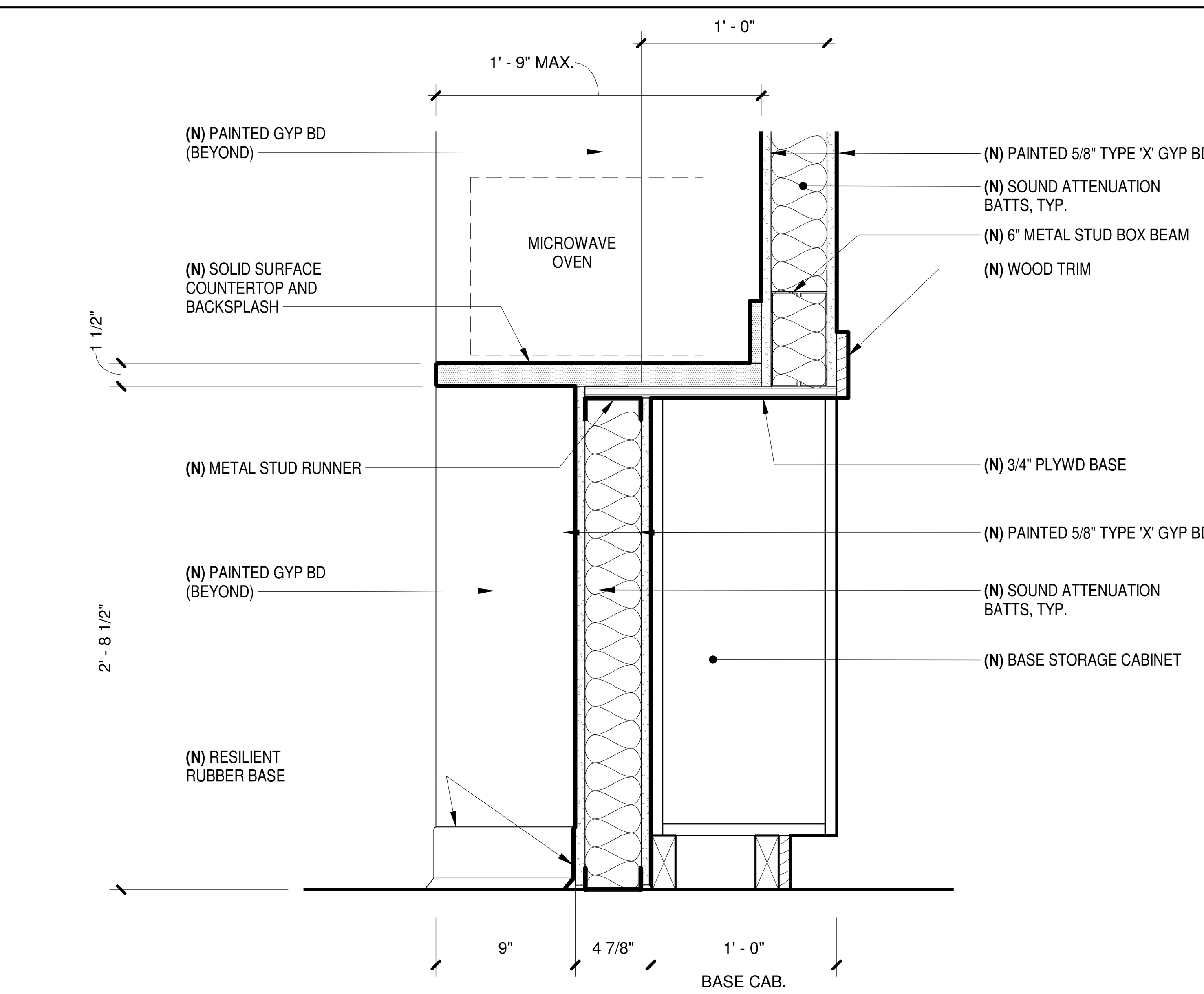
7 INTERIOR WINDOW SILL DETAIL



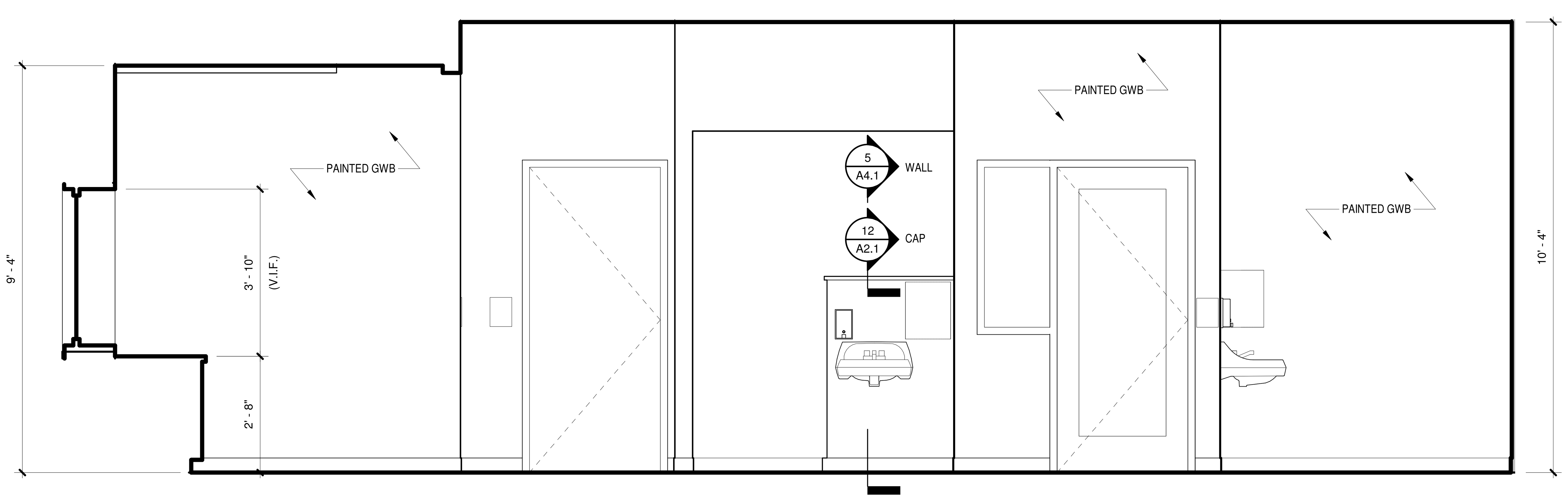
8 INTERIOR WINDOW JAMB DETAIL



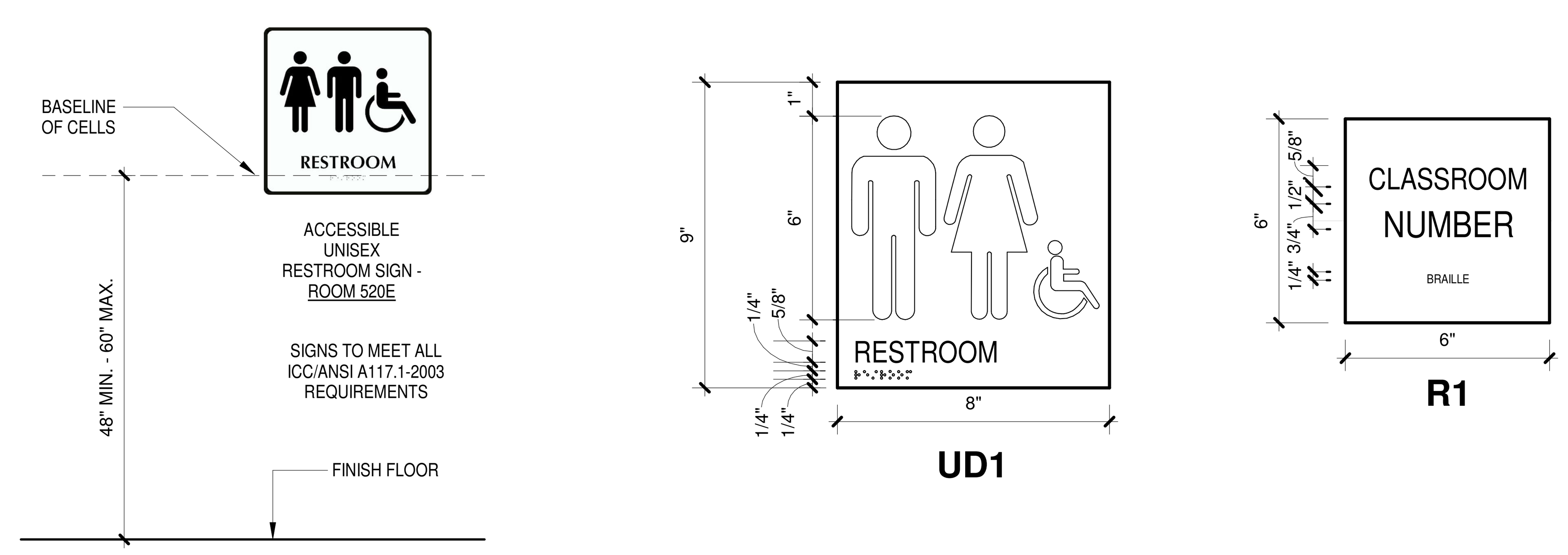
3 520 - PRE-K ELEVATION - WEST
A2.2 1/2" = 1'-0"



4 SECTION THRU BASE CABINET
A2.2 1 1/2" = 1'-0"



5 ELEVATION - WEST INTERIOR WALL
A2.2 1/2" = 1'-0"



9 SIGNAGE MOUNTING
A2.2 3/8" = 1'-0"

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Revisions

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Project Number: 1931
Date: 09/24/2019
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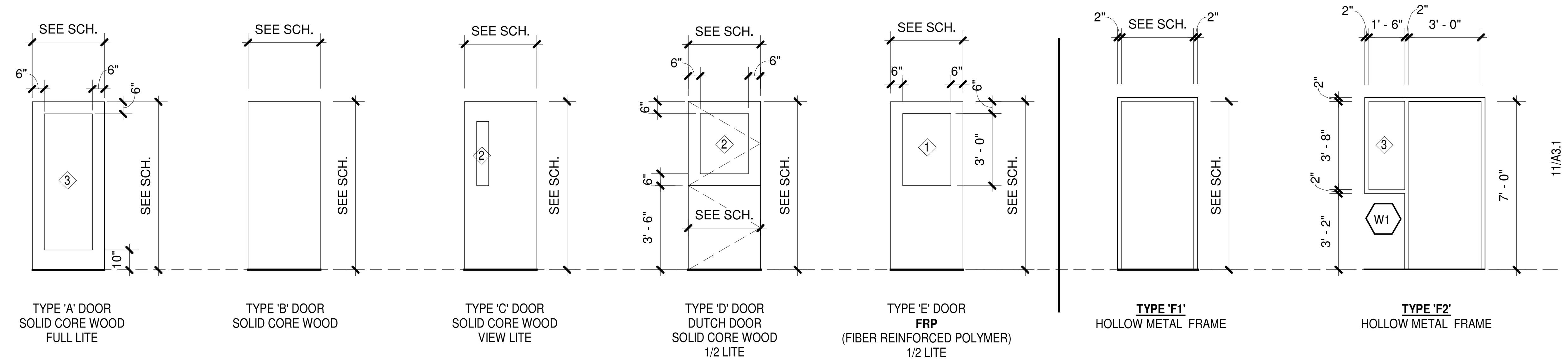
INTERIOR ELEVATIONS

Sheet Number:
A2.2

9/26/2019 1:57:34 AM

DOOR SCHEDULE

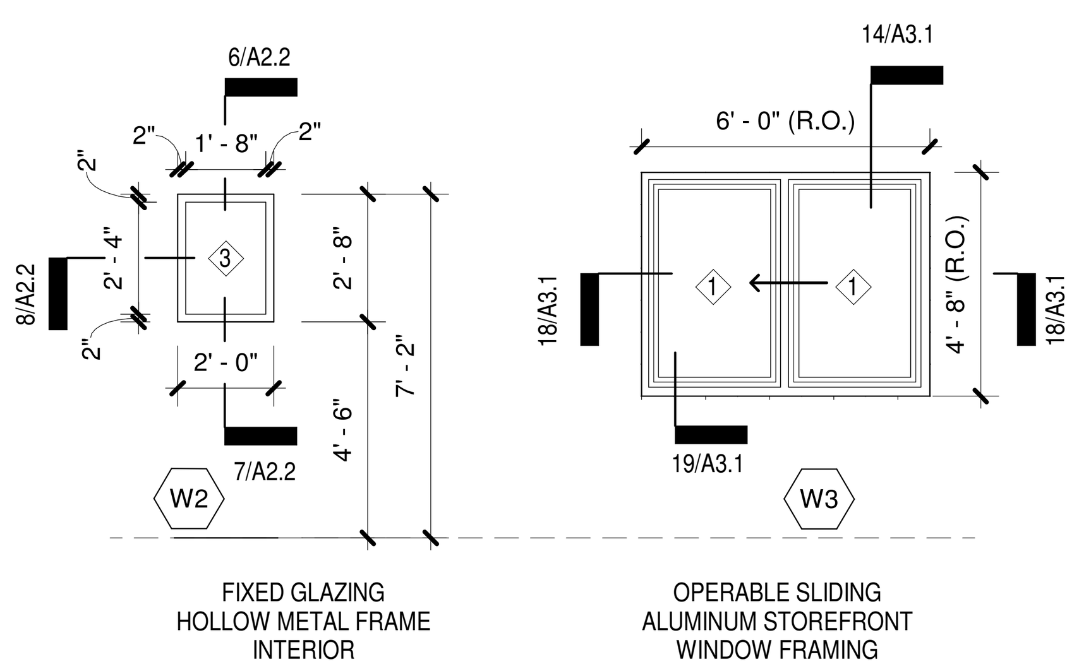
DOOR NUMBER	SIZE WIDTH	SIZE HEIGHT	DOOR TYPE	FRAME TYPE	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	CARD READER	SIGN TYPE	HW SET	COMMENTS
520	3' - 0"	7' - 0"	EXIST	EXIST	EXIST	EXIST	EXIST	●	R1	INT-01	EXISTING DOOR, NEW HARDWARE / ACCESS CONTROL
520B1	3' - 0"	7' - 0"	A	F2	10/A3.1	11/A3.1	-	●	R1	INT-05	
520B2	3' - 0"	7' - 0"	C	F1	10/A3.1	11/A3.1	-	●	R1	INT-05	
520D	3' - 0"	7' - 0"	D	F1	10/A3.1	11/A3.1	-	●	R1	INT-03	DUTCH DOOR
520E	3' - 0"	7' - 0"	B	F1	10/A3.1	11/A3.1	-		UD1	INT-02	
520X1	3' - 0"	7' - 0"	E	BY DR MFR	15/A3.1	12/A3.1	13/A3.1	●	-	EXT-01	FRP DOOR W/ ACCESS CONTROL - TUBE FRAMES BY DOOR MFR - SEE DETAILS
520X2	3' - 0"	7' - 0"	E	BY DR MFR	15/A3.1	12/A3.1	13/A3.1	●	-	EXT-01	FRP DOOR W/ ACCESS CONTROL - TUBE FRAMES BY DOOR MFR - SEE DETAILS
521	3' - 0"	7' - 0"	EXIST	EXIST	EXIST	EXIST	EXIST	●	R1	INT-01	EXISTING DOOR, NEW HARDWARE / ACCESS CONTROL



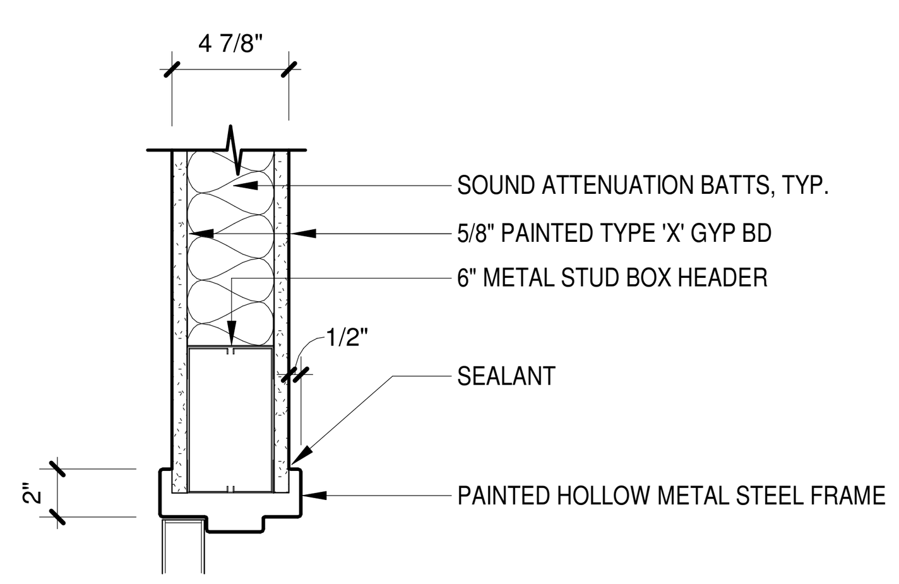
SEE SCH.
6"
10"
TYPE 'A' DOOR
SOLID CORE WOOD
FULL LITE
TYPE 'B' DOOR
SOLID CORE WOOD
TYPE 'C' DOOR
SOLID CORE WOOD
VIEW LITE
TYPE 'D' DOOR
DUTCH DOOR
SOLID CORE WOOD
1/2 LITE
3' - 6"
TYPE 'E' DOOR
FRP
(FIBER REINFORCED POLYMER)
1/2 LITE
3' - 0"
TYPE 'F1'
HOLLOW METAL FRAME
TYPE 'F2'
HOLLOW METAL FRAME
2"
1' - 6"
3' - 0"
3' - 8"
3' - 2"
7' - 0"
W1
11/A3.1

DOOR & H. M. FRAME ELEVATIONS
1/4" = 1'-0"

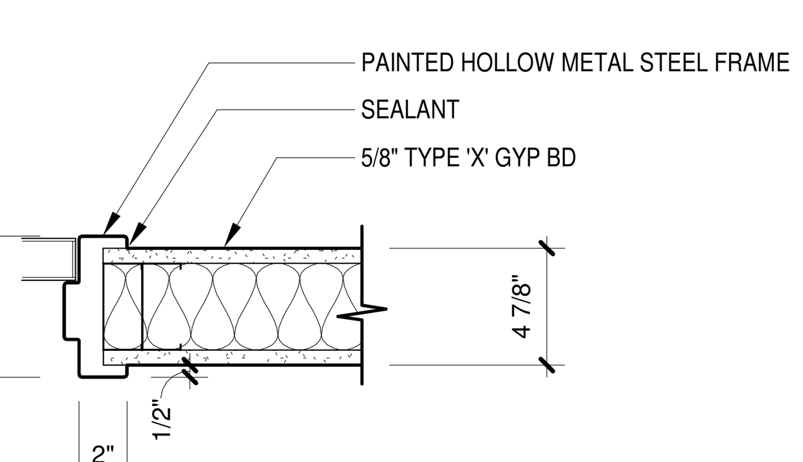
GLASS TYPE LEGEND	
#	
1	1" CLEAR TEMPERED INSULATED GLASS UNITS
2	1/4" CLEAR TEMPERED GLASS
3	1/4" CLEAR TEMPERED GLASS, MIRROR COATING



WINDOW ELEVATIONS
1/4" = 1'-0"



10 INTERIOR DOOR HEAD DETAIL



11 INTERIOR DOOR JAMB DETAIL

HW-EXT-01 - USE ON DOOR(S) 520X1, 520X2				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1 EA	CONT. HINGE	BY DOOR MANUFACTURER		
1 EA	POWER TRANSFER	EPT10	SP313	VON
1 EA	ELEC PANIC HARDWARE	RX-LC-99-EO	313	VON
1 EA	ELEC EXIT DEVICE TRIM	AD-400-993R-70-MT-RHO-R 4AA BATTERY	643E	SCE
1 EA	SURFACE CLOSER	4111 SCUSH	695	LCN
1 SET	PERIMETER GASKETING	429	D	ZER
1 EA	RAIN DRIP	142D	D	ZER
1 EA	DOOR BOTTOM	BY DOOR MANUFACTURER		
1 EA	THRESHOLD	8655D	D	ZER

1: DOOR IS NORMALLY CLOSED AND LOCKED. PRESENTATION OF VALID CREDENTIAL TO READER INTERGRAL TO ELECTRONIC TRIM WILL MOMENTARILY UNLOCK DOOR ALLOWING INGRESS. FREE EGRESS AT ALL TIMES
2: **PREP DOOR TO RECEIVE RIM EXIT DEVICE AND RECEIVE POWER FROM EPT WITHIN THE DOOR FRAME**

HW-INT-01 - USE ON DOOR(S) 520, 521				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1 EA	INSTITUTION LOCK	ND82TD RHO	626	SCH
2 EA	FSIC CORE	23-030 EV29 T	626	SCH
1 EA	ELECTRIC STRIKE	51003FP 12/24 VAC/VDC	689	VON
1 EA	SURFACE CLOSER	4011	689	VON
1 EA	WALL STOP	WS406/407CCV	630	IVE
1 EA	SILENCER	SR64	GRY	IVE
1 EA	MULTITECH READER	MT15 12 VDC	BLK	SCE
1 EA	POWER SUPPLY	PS902 FA900 120/240 VAC	LGR	SCE

1: BALANCE OF HARDWARE EXISTING
2: DOOR IS CLOSED AND LOCKED ON BOTH SIDES. PRESENTATION OF VALID CREDENTIAL TO READER WILL MOMENTARILY UNLOCK ELECTRIC STRIKE ALLOWING INGRESS OR EGRESS. ELECTRIC STRIKE WILL FAIL-SAFE (UNLOCK) IN THE EVENT OF A FIRE ALARM OR POWER OUTAGE FOR IMMEDIATE INGRESS OR EGRESS.

HW-INT-02 - USE ON DOOR(S) 520E				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 x 4.5 NRP	652	IVE
1 EA	PRIV W/ DB COIN TURN	LV9444 06A L583-363 L283-722	626	SCH
1 EA	OH STOP	90S	630	GLY
3 EA	SILENCER	SR64	GRY	IVE

HW-INT-03 - USE ON DOOR(S) 520D				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
4 EA	HINGE	5BB1 4.5 x 4.5 NRP	652	IVE
2 EA	DUTCH DOOR BOLT	054	626D	IVE
1 EA	WIRELESS ELECTRONIC LOCK	NDE80JD RHO BATTERY OPERATED	626	SCH
1 EA	FSIC CORE	23-030 EV29T	626	SCH
1 EA	OH STOP & HOLDER	90H	630	GLY
4 EA	SILENCER	SR64	GRY	IVE

1: INSTALL OH HOLDER ON TOP LEAF OF DUTCH DOOR
2: DOOR IS NORMALLY CLOSED AND LOCKED. PRESENTATION OF VALID CREDENTIAL TO READER INTEGRAL TO ELECTRONIC LOCK WILL MOMENTARILY UNLOCK DOOR ALLOWING INGRESS. FREE EGRESS AT ALL TIMES

HW-INT-05 - USE ON DOOR(S) 520B1, 520B2				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 x 4.5 NRP	652	IVE
1 EA	WIRELESS ELECTRONIC LOCK	NDE80JD RHO BATTERY OPERATED	626	SCH
1 EA	FSIC CORE	23-030 EV29T	626	SCH
1 EA	WALL STOP	WS406/407CCV	630	IVE
3 EA	SILENCER	SR64	GRY	IVE

1: DOOR IS NORMALLY CLOSED AND LOCKED. PRESENTATION OF VALID CREDENTIAL TO READER INTEGRAL TO ELECTRONIC LOCK WILL MOMENTARILY UNLOCK DOOR ALLOWING INGRESS. FREE EGRESS AT ALL TIMES

NEW FRP EXTERIOR DOOR NOTES:

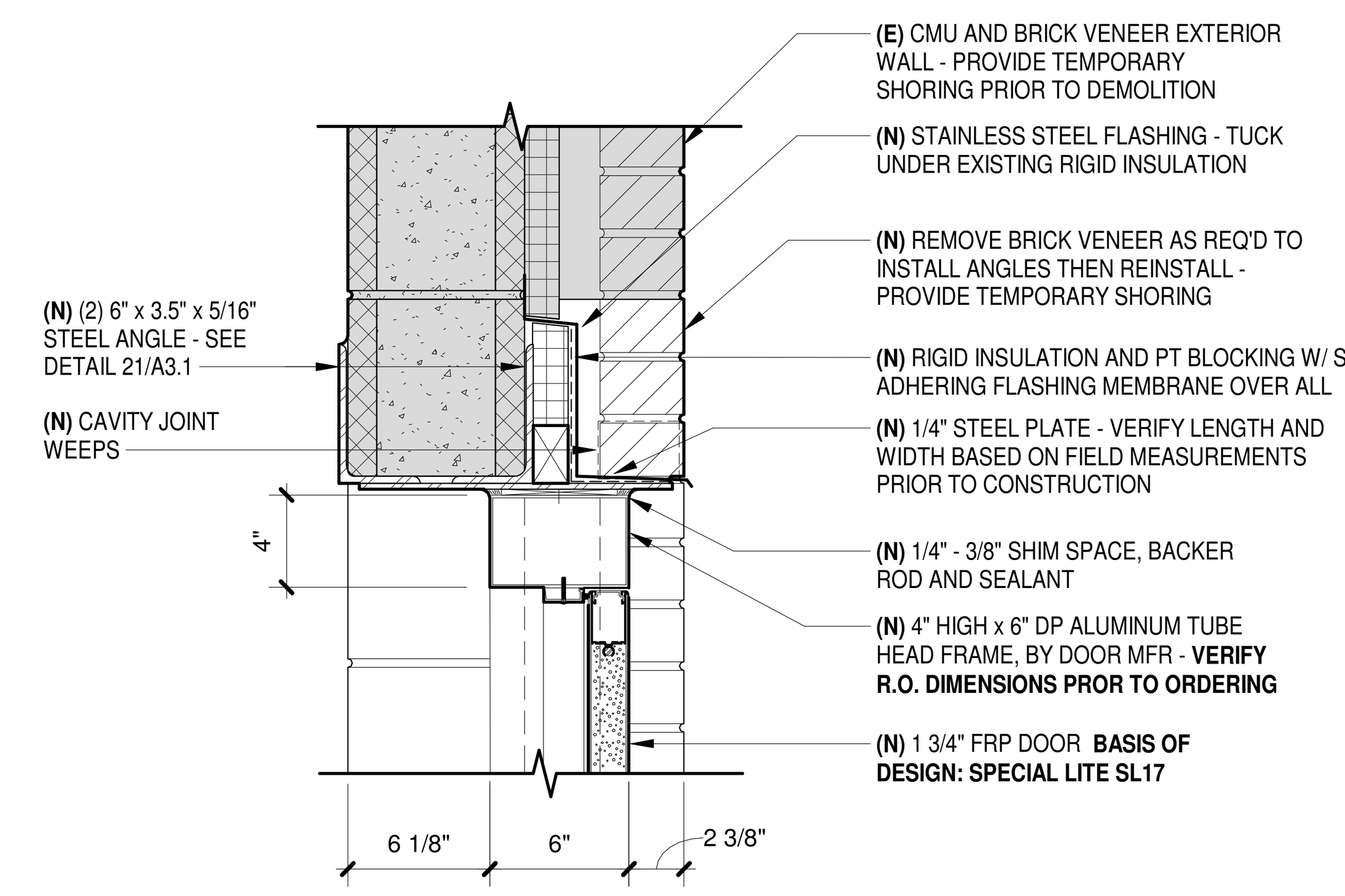
1: NEW STOREFRONT DOOR BASIS OF DESIGN IS **SPECIAL LITE SL17 FRP INSULATED PANEL DOOR WITH 1/2" LITE - 2"x6" VERTICAL ALUM. TUBE FRAMES AND 4"x6" HORIZONTAL ALUM TUBE HEAD FRAME. VERIFY NEW ROUGH OPENING DIMENSIONS PRIOR TO ORDERING DOORS AND FRAMES**.
2: 1" INSULATED GLAZING UNIT INSERT - SOLARBAN 60 CLEAR
3: DOOR COLOR BY OWNER, HARDWARE DARK BRONZE - VERIFY WITH OWNER PRIOR TO ORDERING
4: 1 3/4" WIDTH, 6" TOP RAIL, 10" BOTTOM RAIL AND 6" SIDE RAILS. VERIFY THESE DIMENSIONS WITH OWNER - COORDINATE FACTORY DOOR PREP WITH DOOR HARDWARE LISTING.

NEW ALUMINUM HORIZONTAL SLIDING WINDOW NOTES:

1: NEW FACTORY GLAZED HORIZONTAL SLIDING WINDOW. **BASIS OF DESIGN IS THE KAWNEER 8400 TL SERIES, 2" SIGHTLINE AND 4" FRAME DEPTH.**
2: 1" INSULATED GLAZING INSERTS - SOLARBAN 60 CLEAR
3: 4 1/2" x 2" 2-PIECE HEAD AND JAMB RECEPTORS
4: FULL DEPTH SUBSILL
5: COLOR: DARK BRONZE TO MATCH EXISTING WINDOWS
6: OPERATION: "XO", ONE OPERABLE AND ONE FIXED - SEE WINDOW ELEVATIONS

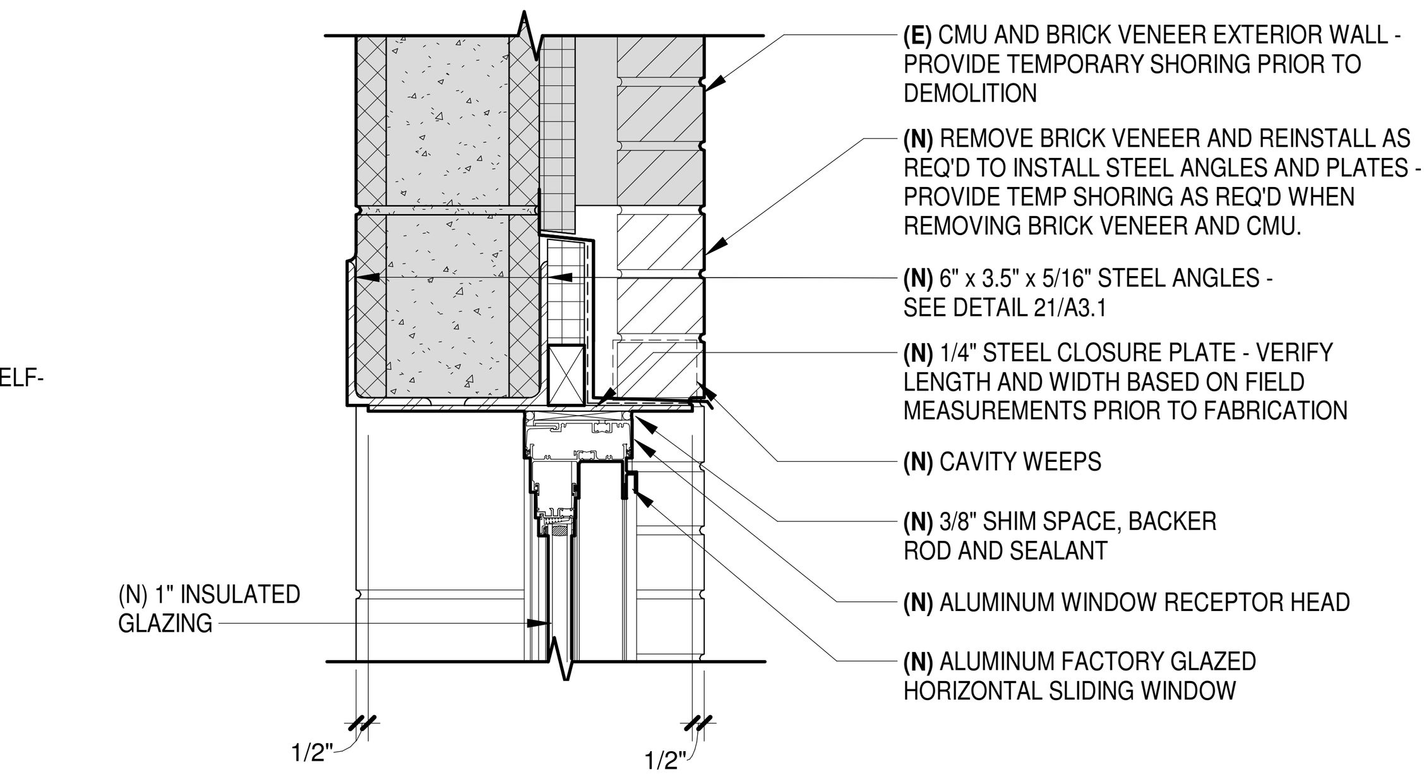
GENERAL NOTES, DOOR AND WINDOW OPENINGS

1: SELF-ADHERED FLASHING - GRACE VYCOR PLUS - FOLLOW MFR WRITTEN INSTALLATION INSTRUCTIONS.
2: METAL FLASHINGS: STAINLESS STEEL WHERE INDICATED, .025" ALUMINUM TO MATCH NEW ALUMINUM WINODW FRAMING COLOR.
3: BACKER ROD: CYLINDRICAL OF SIZE AND DENSITY TO CONTROL SEALANT DEPTH.
4: JOINT SEALANTS MUST BE COMPATIABLE WITH SUBSTRATES - MATCH EXISTING SEALANT COLORS AND DARK BRONZE COLOR OF FACTORY GLAZED WINDOW UNIT
5: CAVITY VENT WEEPS: PLASTIC WAFFLE JOINT TYPE, COLOR TO MATCH MORTAR, MIN (2) PER LINTEL
6: MORTAR - MATCH EXISTING COLOR TO MINIMIZE LOOK OF NEW MASONRY FIELD.



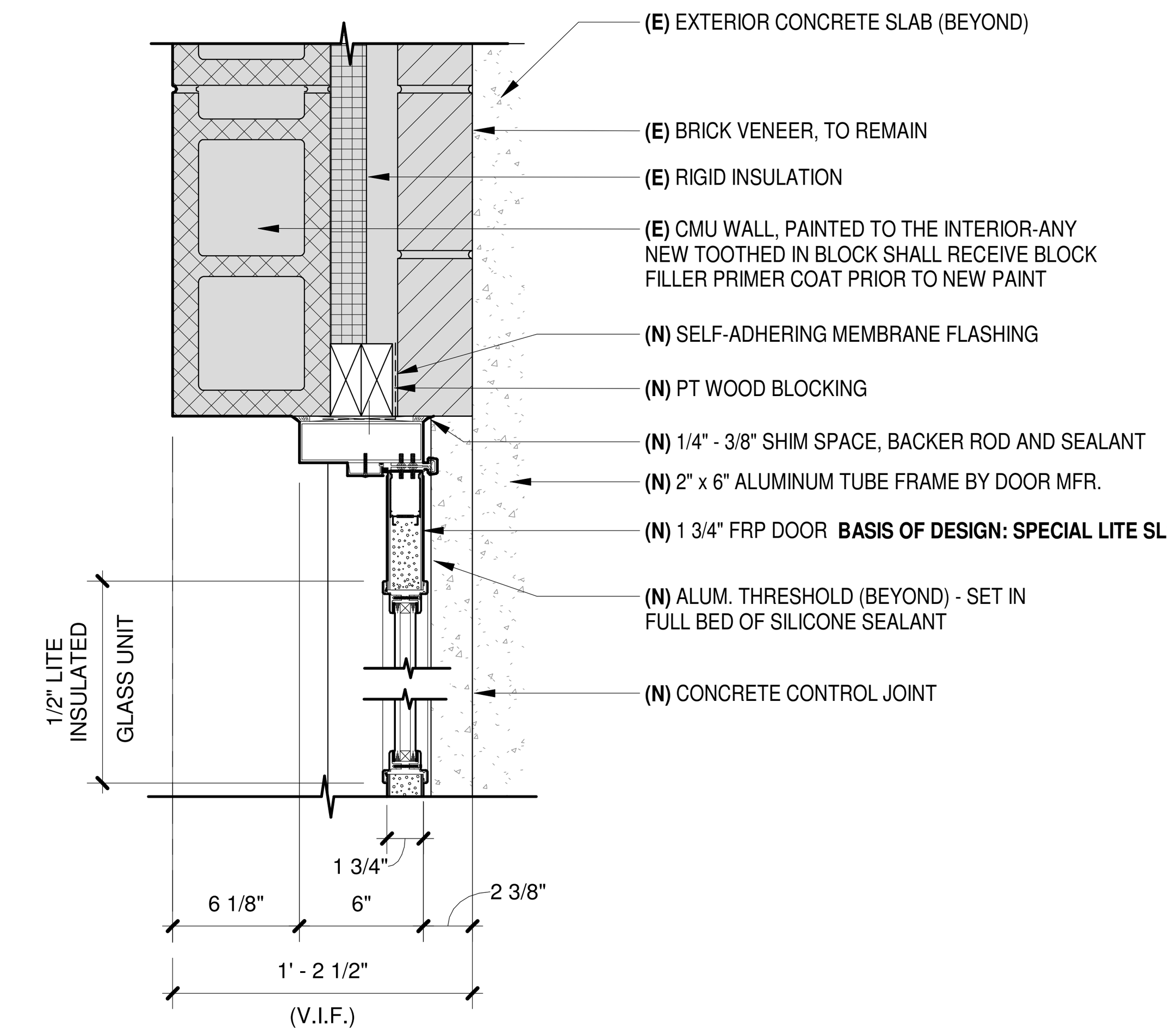
(E) CMU AND BRICK VENEER EXTERIOR WALL - PROVIDE TEMPORARY SHORING PRIOR TO DEMOLITION
(N) STAINLESS STEEL FLASHING - TUCK UNDER EXISTING RIGID INSULATION
(N) REMOVE BRICK VENEER AS REQ'D TO INSTALL ANGLES THEN REINSTALL - PROVIDE TEMPORARY SHORING
(N) RIGID INSULATION AND PT BLOCKING W/ SELF-ADHERING FLASHING MEMBRANE OVER ALL
(N) 1/4" STEEL PLATE - VERIFY LENGTH AND WIDTH BASED ON FIELD MEASUREMENTS PRIOR TO CONSTRUCTION
(N) 1/4" - 3/8" SHIM SPACE, BACKER ROD AND SEALANT
(N) 4" HIGH x 6" DP ALUMINUM TUBE HEAD FRAME, BY DOOR MFR - VERIFY R.O. DIMENSIONS PRIOR TO ORDERING
(N) 1 3/4" FRP DOOR BASIS OF DESIGN: SPECIAL LITE SL17
(N) (2) 6" x 3.5" x 5/16" STEEL ANGLE - SEE DETAIL 21/A3.1
(N) CAVITY JOINT WEEPS
4"
6 1/8"
6"
2 3/8"

15 NEW EXTERIOR DOOR HEAD DETAIL
A3.1 1 1/2" = 1'-0"



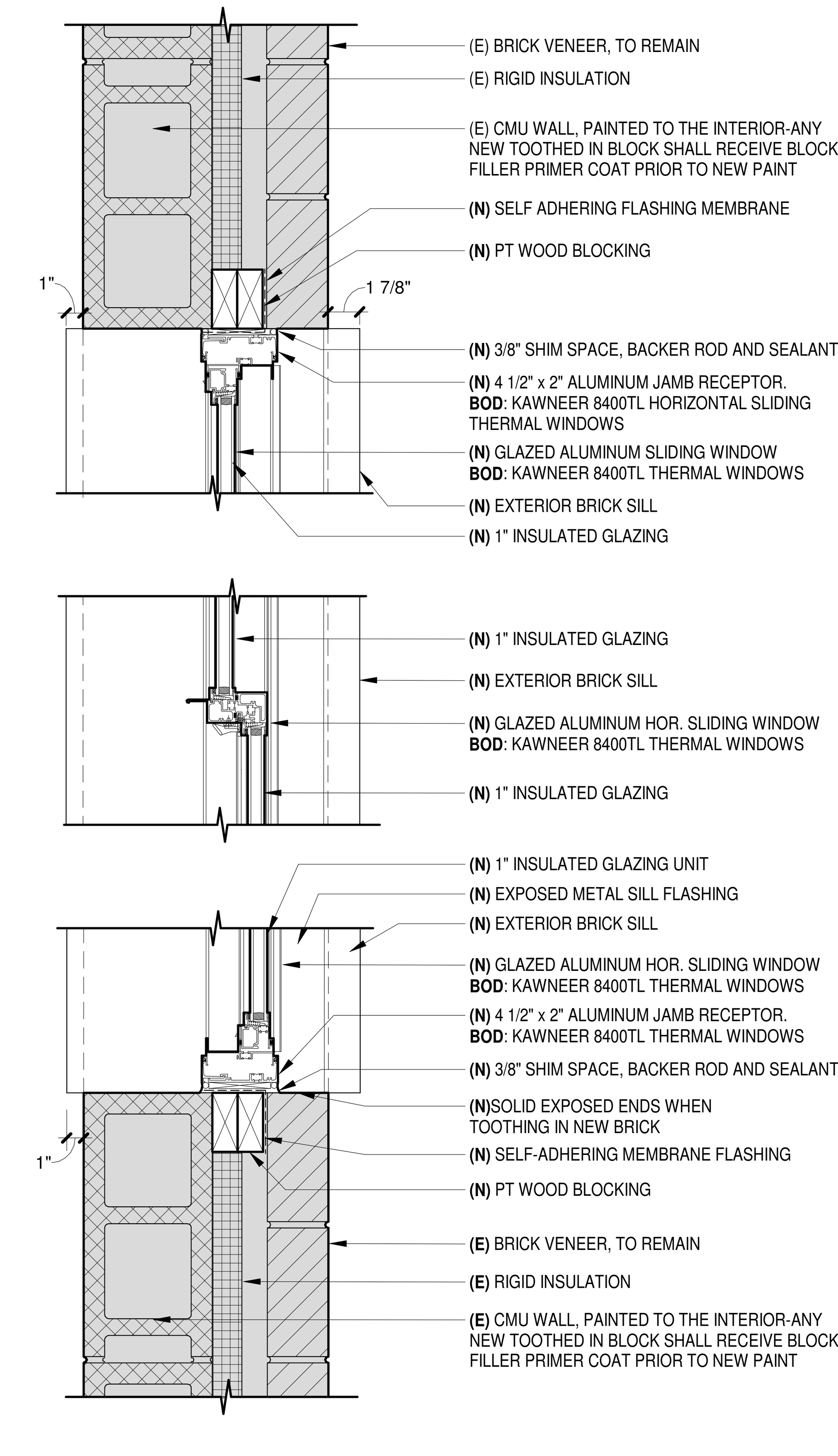
(E) CMU AND BRICK VENEER EXTERIOR WALL - PROVIDE TEMPORARY SHORING PRIOR TO DEMOLITION
(N) REMOVE BRICK VENEER AND REINSTALL AS REQ'D TO INSTALL STEEL ANGLES AND PLATES - PROVIDE TEMP SHORING AS REQ'D WHEN REMOVING BRICK VENEER AND CMU.
(N) 6" x 3.5" x 5/16" STEEL ANGLES - SEE DETAIL 21/A3.1
(N) 1/4" STEEL CLOSURE PLATE - VERIFY LENGTH AND WIDTH BASED ON FIELD MEASUREMENTS PRIOR TO FABRICATION
(N) CAVITY WEEPS
(N) 3/8" SHIM SPACE, BACKER ROD AND SEALANT
(N) ALUMINUM WINDOW RECEPTOR HEAD
(N) ALUMINUM FACTORY GLAZED HORIZONTAL SLIDING WINDOW
(N) 1" INSULATED GLAZING
1/2"

14 NEW EXTERIOR WINDOW HEAD DETAIL
A3.1 1 1/2" = 1'-0"
HEAD FLASHING THIS DETAIL SIM TO 15/A3.1



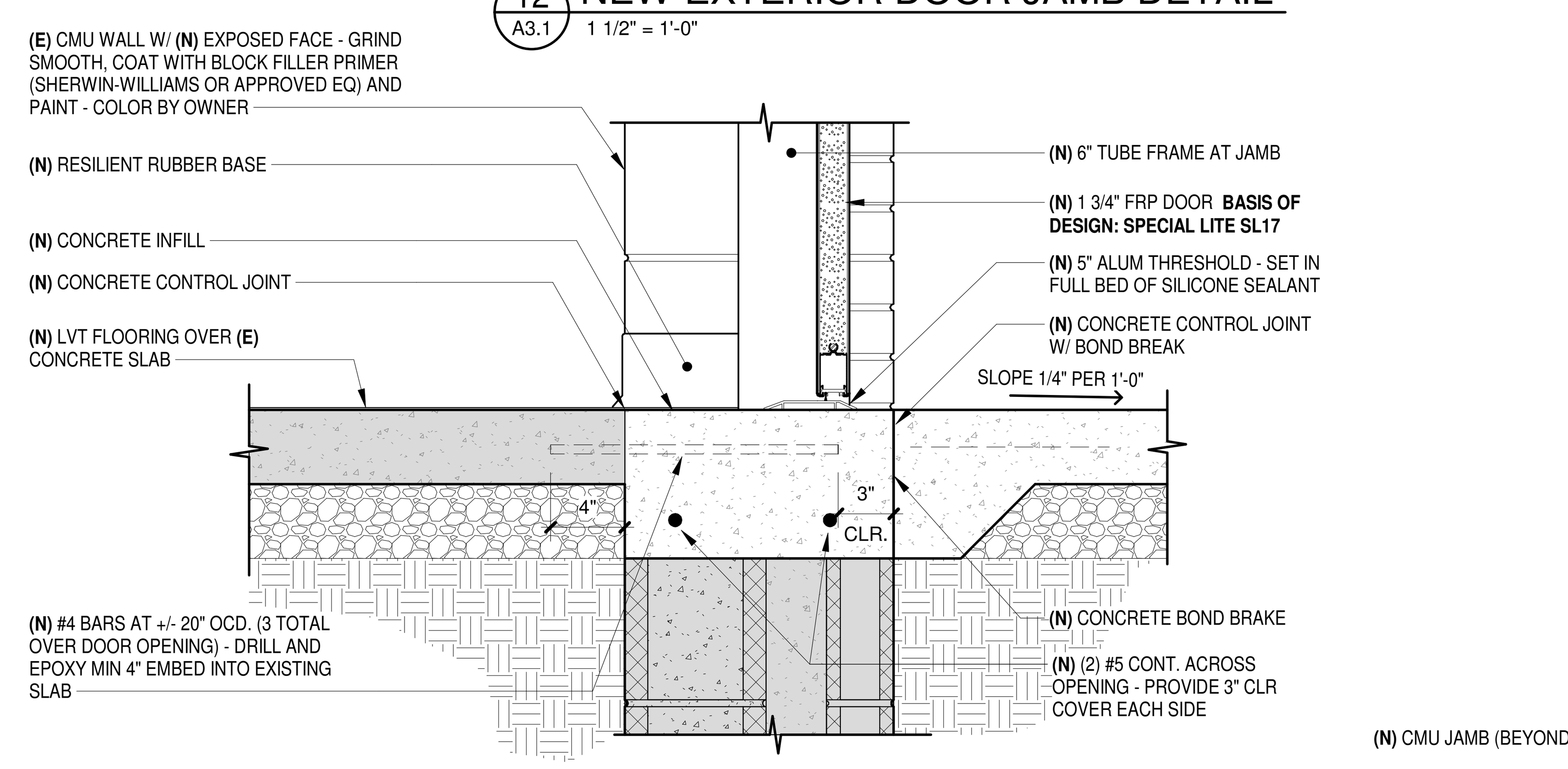
(E) EXTERIOR CONCRETE SLAB (BEYOND)
(E) BRICK VENEER, TO REMAIN
(E) RIGID INSULATION
(E) CMU WALL, PAINTED TO THE INTERIOR-ANY NEW TOOTHED IN BLOCK SHALL RECEIVE BLOCK FILLER PRIMER COAT PRIOR TO NEW PAINT
(N) SELF-ADHERING MEMBRANE FLASHING
(N) PT WOOD BLOCKING
(N) 1/4" - 3/8" SHIM SPACE, BACKER ROD AND SEALANT
(N) 2" x 6" ALUMINUM TUBE FRAME BY DOOR MFR.
(N) 1 3/4" FRP DOOR BASIS OF DESIGN: SPECIAL LITE SL17
(N) ALUM. THRESHOLD (BEYOND) - SET IN FULL BED OF SILICONE SEALANT
(N) CONCRETE CONTROL JOINT
1/2" LITE INSULATED GLASS UNIT
6 1/8"
6"
1 3/4"
2 3/8"
1' - 2 1/2"
(V.I.F.)

12 NEW EXTERIOR DOOR JAMB DETAIL
A3.1 1 1/2" = 1'-0"



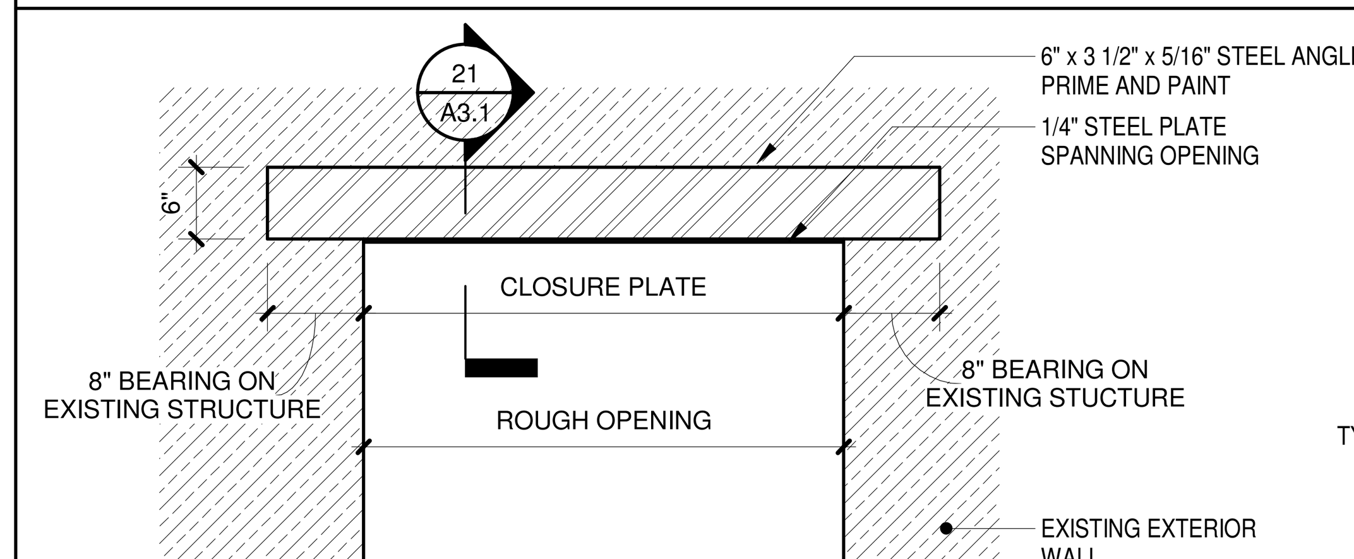
(E) BRICK VENEER, TO REMAIN
(E) RIGID INSULATION
(E) CMU WALL, PAINTED TO THE INTERIOR-ANY NEW TOOTHED IN BLOCK SHALL RECEIVE BLOCK FILLER PRIMER COAT PRIOR TO NEW PAINT
(N) SELF ADHERING FLASHING MEMBRANE
(N) PT WOOD BLOCKING
1"
1 7/8"
(N) 3/8" SHIM SPACE, BACKER ROD AND SEALANT
(N) 4 1/2" x 2" ALUMINUM JAMB RECEPTOR. BOD: KAWNEER 8400TL HORIZONTAL SLIDING THERMAL WINDOWS
(N) GLAZED ALUMINUM SLIDING WINDOW BOD: KAWNEER 8400TL THERMAL WINDOWS
(N) EXTERIOR BRICK SILL
(N) 1" INSULATED GLAZING
(N) 1" INSULATED GLAZING
(N) EXTERIOR BRICK SILL
(N) GLAZED ALUMINUM HOR. SLIDING WINDOW BOD: KAWNEER 8400TL THERMAL WINDOWS
(N) 1" INSULATED GLAZING
(N) 1" INSULATED GLAZING UNIT
(N) EXPOSED METAL SILL FLASHING
(N) EXTERIOR BRICK SILL
(N) GLAZED ALUMINUM HOR. SLIDING WINDOW BOD: KAWNEER 8400TL THERMAL WINDOWS
(N) 4 1/2" x 2" ALUMINUM JAMB RECEPTOR. BOD: KAWNEER 8400TL THERMAL WINDOWS
(N) 3/8" SHIM SPACE, BACKER ROD AND SEALANT
(N)SOLID EXPOSED ENDS WHEN TOOTHING IN NEW BRICK
(N) SELF-ADHERING MEMBRANE FLASHING
(N) PT WOOD BLOCKING
(E) BRICK VENEER, TO REMAIN
(E) RIGID INSULATION
(E) CMU WALL, PAINTED TO THE INTERIOR-ANY NEW TOOTHED IN BLOCK SHALL RECEIVE BLOCK FILLER PRIMER COAT PRIOR TO NEW PAINT

18 NEW EXTERIOR WINDOW JAMB DETAIL
A3.1 1 1/2" = 1'-0"



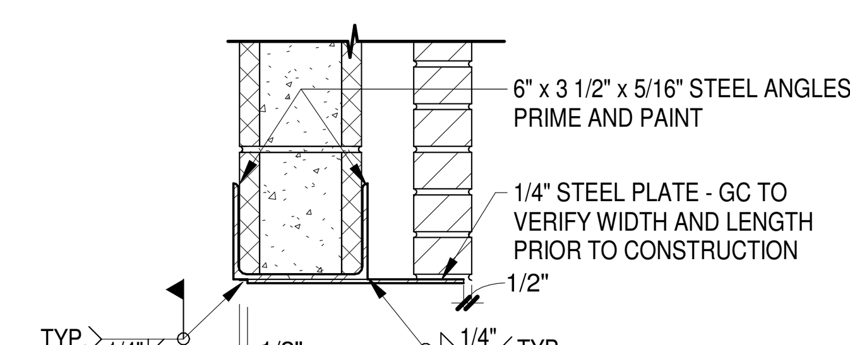
(E) CMU WALL W/ (N) EXPOSED FACE - GRIND SMOOTH, COAT WITH BLOCK FILLER PRIMER (SHERWIN-WILLIAMS OR APPROVED EQ) AND PAINT - COLOR BY OWNER
(N) RESILIENT RUBBER BASE
(N) CONCRETE INFILL
(N) CONCRETE CONTROL JOINT
(N) LVT FLOORING OVER (E) CONCRETE SLAB
(N) #4 BARS AT +/- 20" OCD. (3 TOTAL OVER DOOR OPENING) - DRILL AND EPOXY MIN 4" EMBED INTO EXISTING SLAB
(N) 6" TUBE FRAME AT JAMB
(N) 1 3/4" FRP DOOR BASIS OF DESIGN: SPECIAL LITE SL17
(N) 5" ALUM THRESHOLD - SET IN FULL BED OF SILICONE SEALANT
(N) CONCRETE CONTROL JOINT W/ BOND BREAK
SLOPE 1/4" PER 1'-0"
3"
CLR.
4"
(N) CONCRETE BOND BRAKE
(N) (2) #5 CONT. ACROSS OPENING - PROVIDE 3" CLR COVER EACH SIDE

13 NEW EXTERIOR DOOR SILL DETAIL
A3.1 1 1/2" = 1'-0"

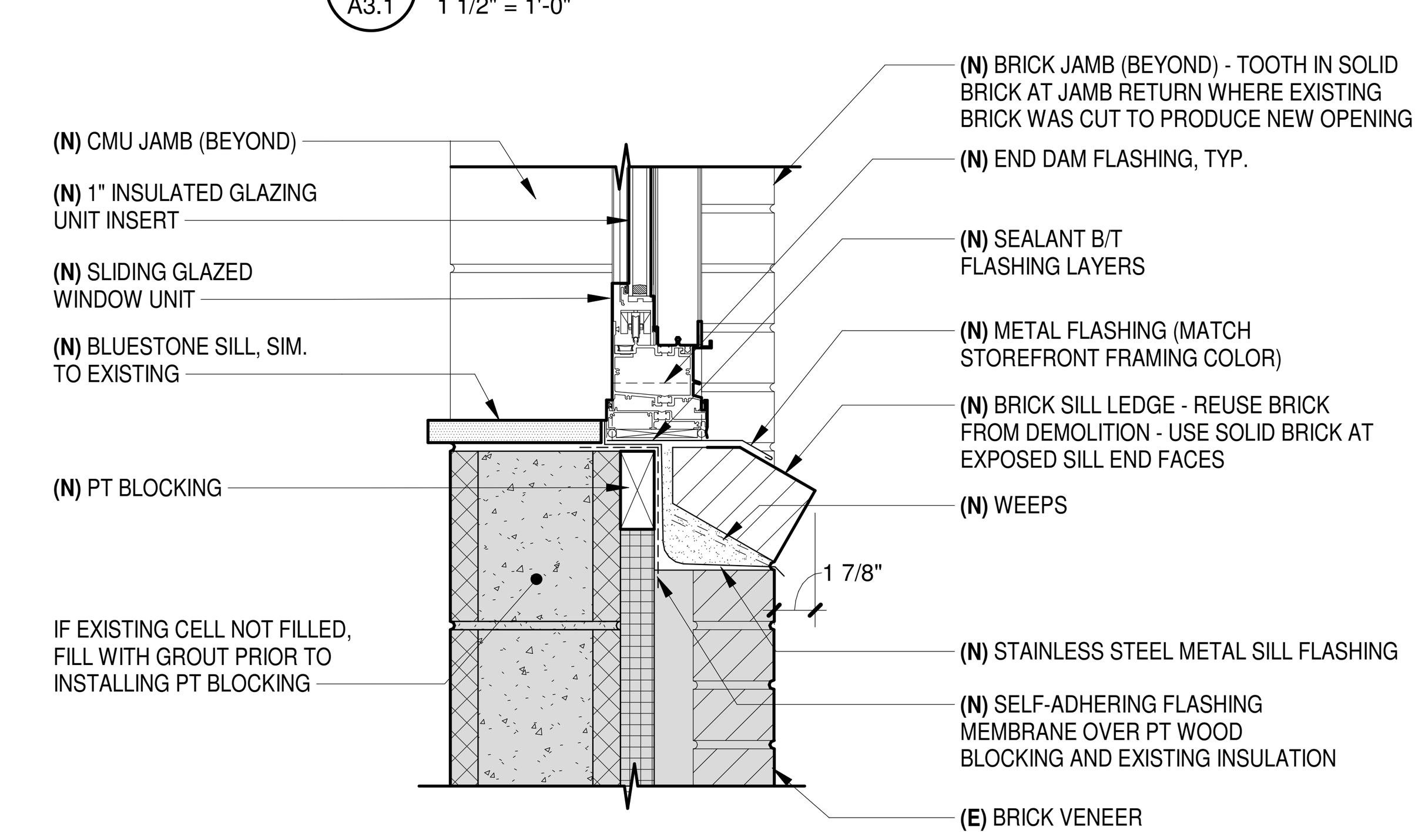


23 TYPICAL STEEL LINTEL
A3.1 3/4" = 1'-0"
SEE WINDOW HEAD DETAIL FOR WELDING REQUIREMENTS

NOTE: THIS DETAIL SHALL ALSO APPLY AT NEW EXHAUST LOUVER OPENING THROUGH SOUTHWEST EXTERIOR WALL AT KITCHEN, ROOM 520D



21 LINTEL DETAIL
A3.1 1" = 1'-0"



(N) CMU JAMB (BEYOND)
(N) 1" INSULATED GLAZING UNIT INSERT
(N) SLIDING GLAZED WINDOW UNIT
(N) BLUESTONE SILL, SIM. TO EXISTING
(N) PT BLOCKING
IF EXISTING CELL NOT FILLED, FILL WITH GROUT PRIOR TO INSTALLING PT BLOCKING
(N) BRICK JAMB (BEYOND) - TOOTH IN SOLID BRICK AT JAMB RETURN WHERE EXISTING BRICK WAS CUT TO PRODUCE NEW OPENING
(N) END DAM FLASHING, TYP.
(N) SEALANT B/T FLASHING LAYERS
(N) METAL FLASHING (MATCH STOREFRONT FRAMING COLOR)
(N) BRICK SILL LEDGE - REUSE BRICK FROM DEMOLITION - USE SOLID BRICK AT EXPOSED SILL END FACES
(N) WEEPS
1 7/8"
(N) STAINLESS STEEL METAL SILL FLASHING
(N) SELF-ADHERING FLASHING MEMBRANE OVER PT WOOD BLOCKING AND EXISTING INSULATION
(E) BRICK VENEER

19 NEW EXTERIOR WINDOW SILL DETAIL
A3.1 1 1/2" = 1'-0"

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Revisions	
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Date:	09/24/2019
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DOOR AND WINDOW DETAILS

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A3.1

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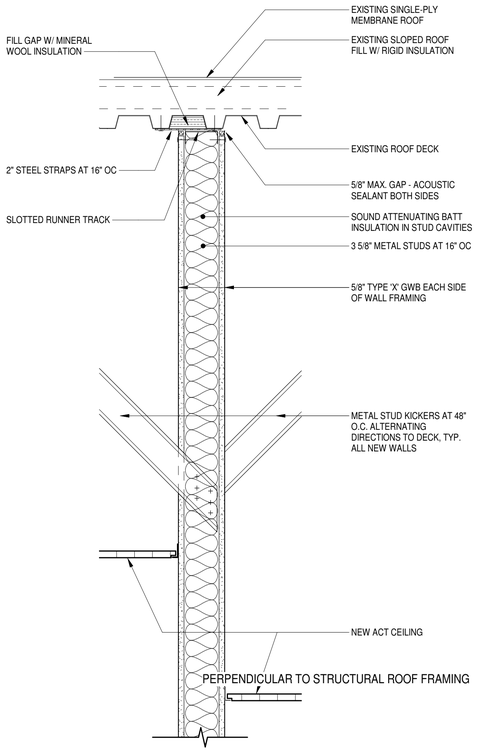
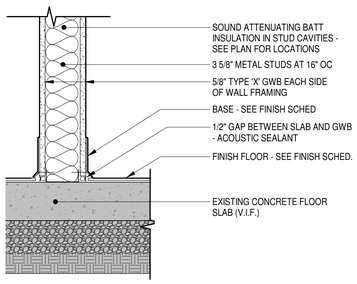
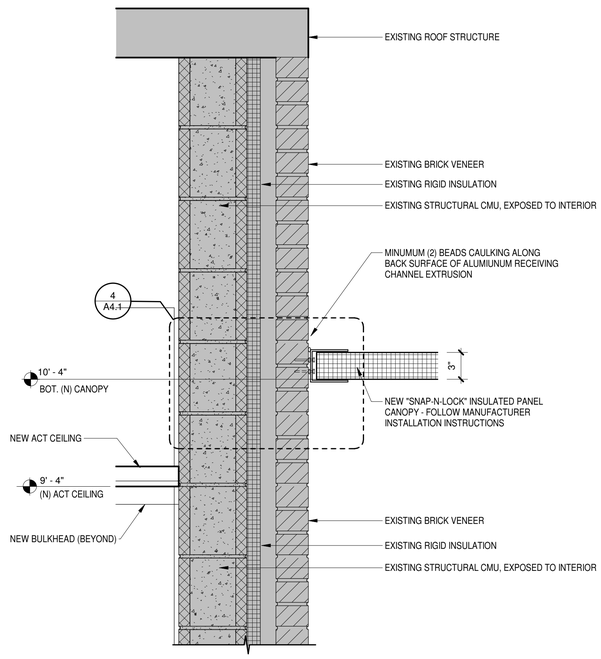
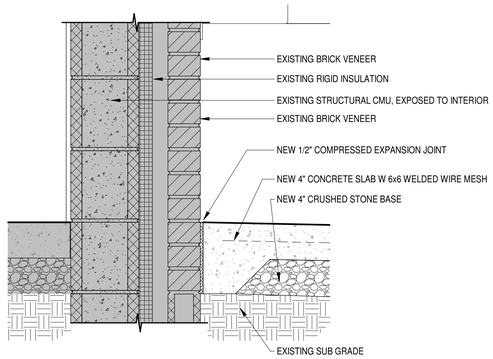


1 A4.1 WALL FRAMING DETAIL - TOP OF WALL
1 1/2" = 1'-0"

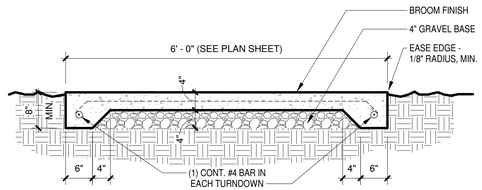


2 A4.1 TYPICAL INTERIOR FRAME WALL SECTION
1 1/2" = 1'-0"



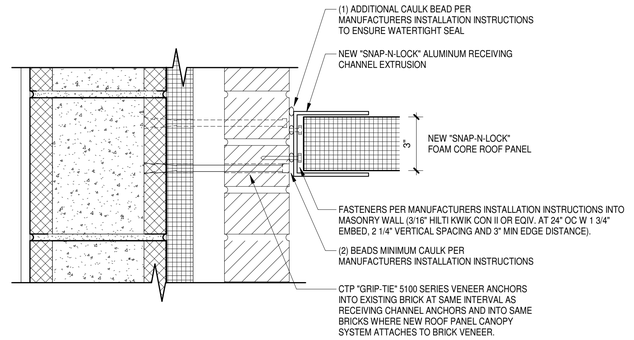


3 A4.1 TYPICAL EXTERIOR WALL SECTION
1 1/2" = 1'-0"

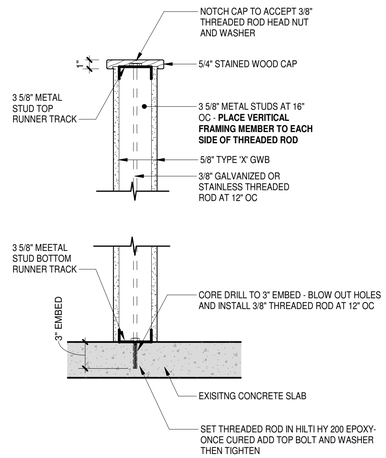


6 A4.1 TYPICAL SIDEWALK DETAIL
3/4" = 1'-0"

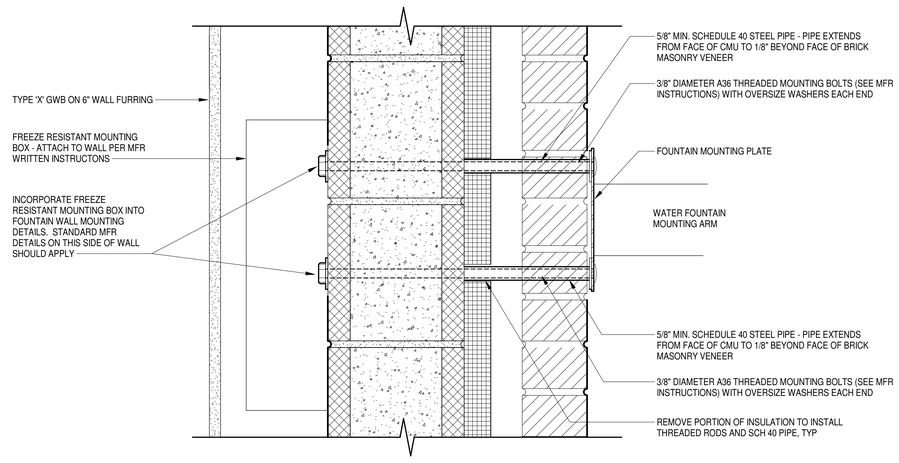
NOTE: PROVIDE SIDEWALK TRANSVERSE EXPANSION JOINTS EVERY 30'-0" O.C. (50'-0" MAX.) & V-SHAPED TOOLED 1" DEEP SAW CUT CONTROL JOINTS @ 4'-0" O.C. OR WIDTH OF SIDEWALK.
VERIFY AND COORDINATE WITH CIVIL DRAWINGS



4 A4.1 DETAIL AT CANOPY CONNECTION TO EXTERIOR WALL
3" = 1'-0"



5 A4.1 WALL ANCHORS AT SHORT WOOD CAP WALL
1 1/2" = 1'-0"



7 A4.1 FREEZEPROOF FOUNTAIN MOUNTING
3" = 1'-0"

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MISC FRAMING DETAILS

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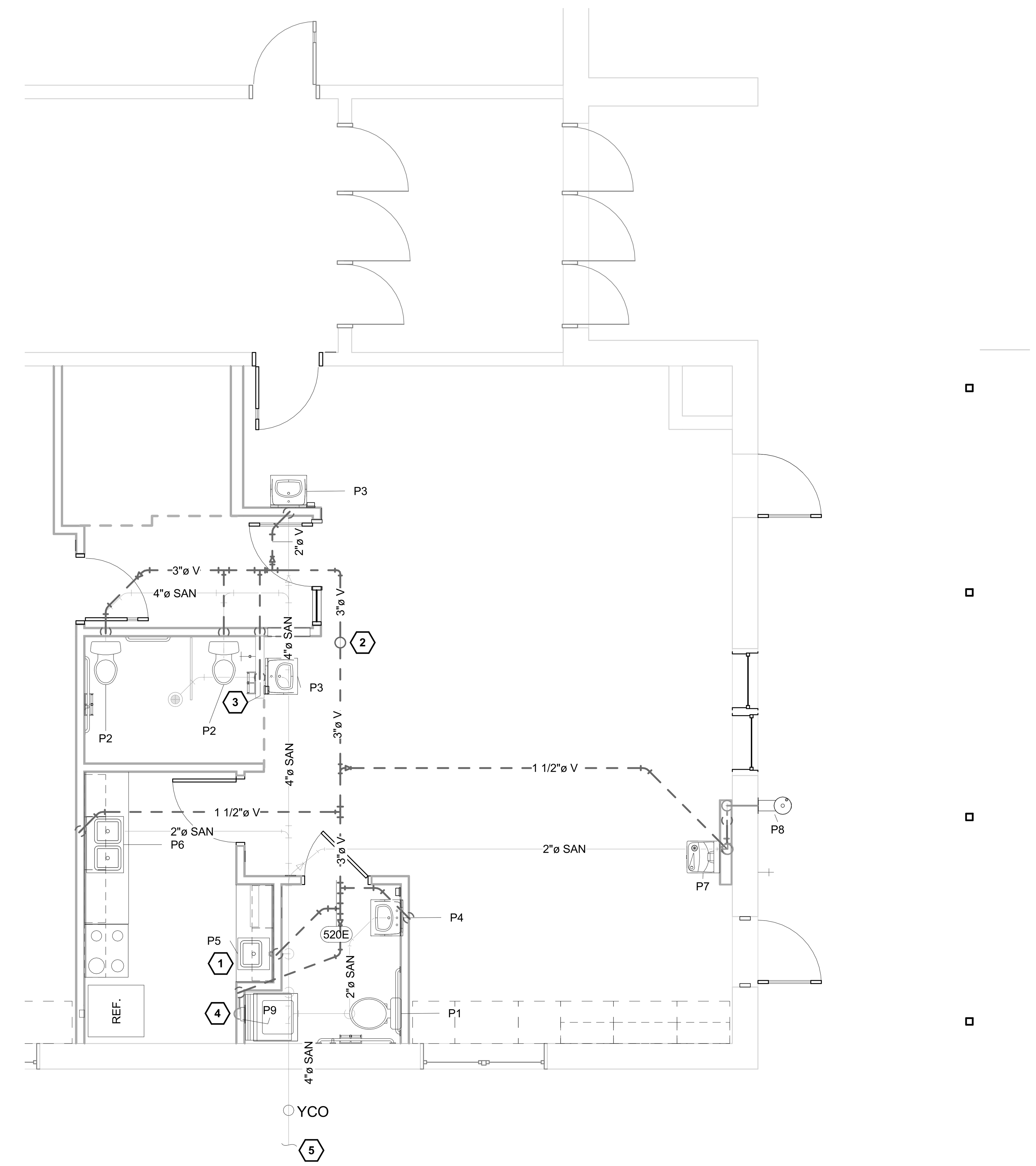
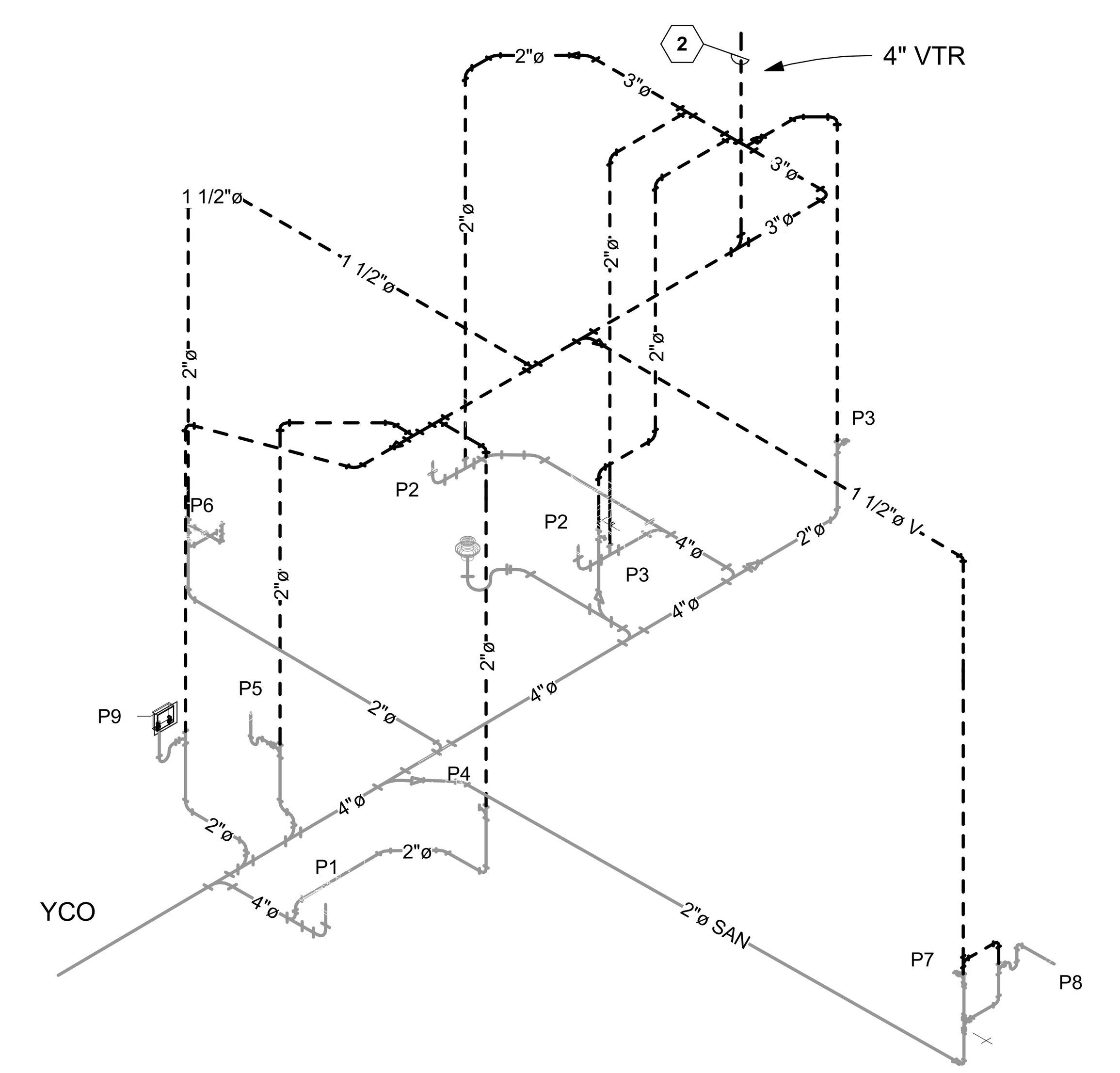
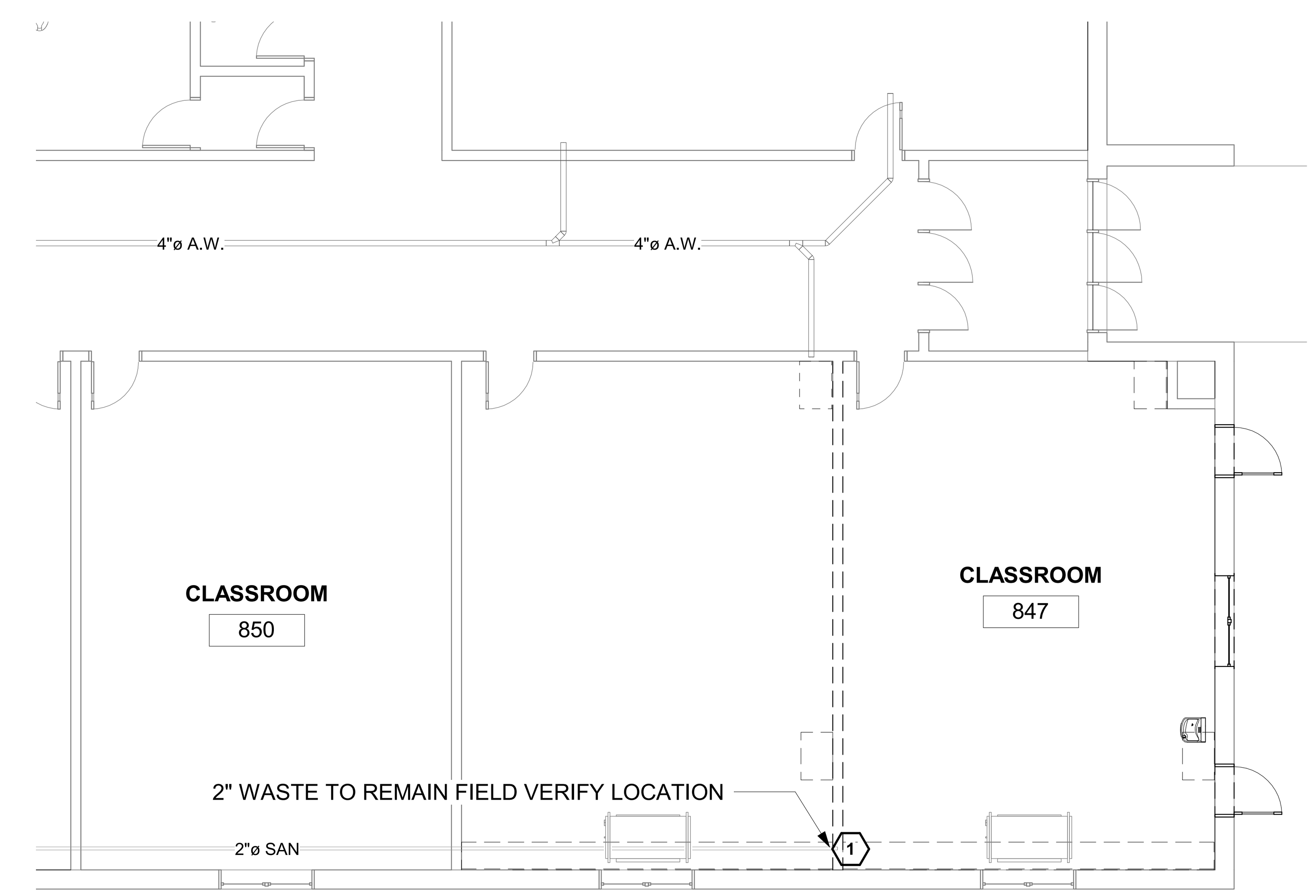


2 PLUMBING FLOOR PLAN - CONSTRUCTION - WASTE AND VENT

1/4" = 1'-0"



3 ISOMETRIC WASTE AND VENT



1 PLUMBING FLOOR PLAN - DEMOLITION

1/8" = 1'-0"

1. EXISTING 2" WASTE UP IN WALL TO HUB DRAIN FOR HVAC CONDENSATE. REMOVE PIPE TO BELOW SLAB AND CAP.
2. ROUTE VENT PIPING ABOVE CEILING THEN TO 4" VTR.
3. ROUTE 1-1/2" VENT PIPING IN SHORT WALL TO FULL WALL THEN UP.
4. GUY GRAY WASHER BOX WITH AUXILIARY DRAIN FOR HVAC CONDENSATE.
5. 4" WASTE PIPE TO MAIN SEWER AT SIDEWALK.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 18486 JEROME C. HAY

9/24/19

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Date: 09/24/2019
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PLUMBING FLOOR PLANS WASTE AND DEMO

Sheet Number:
P1.1

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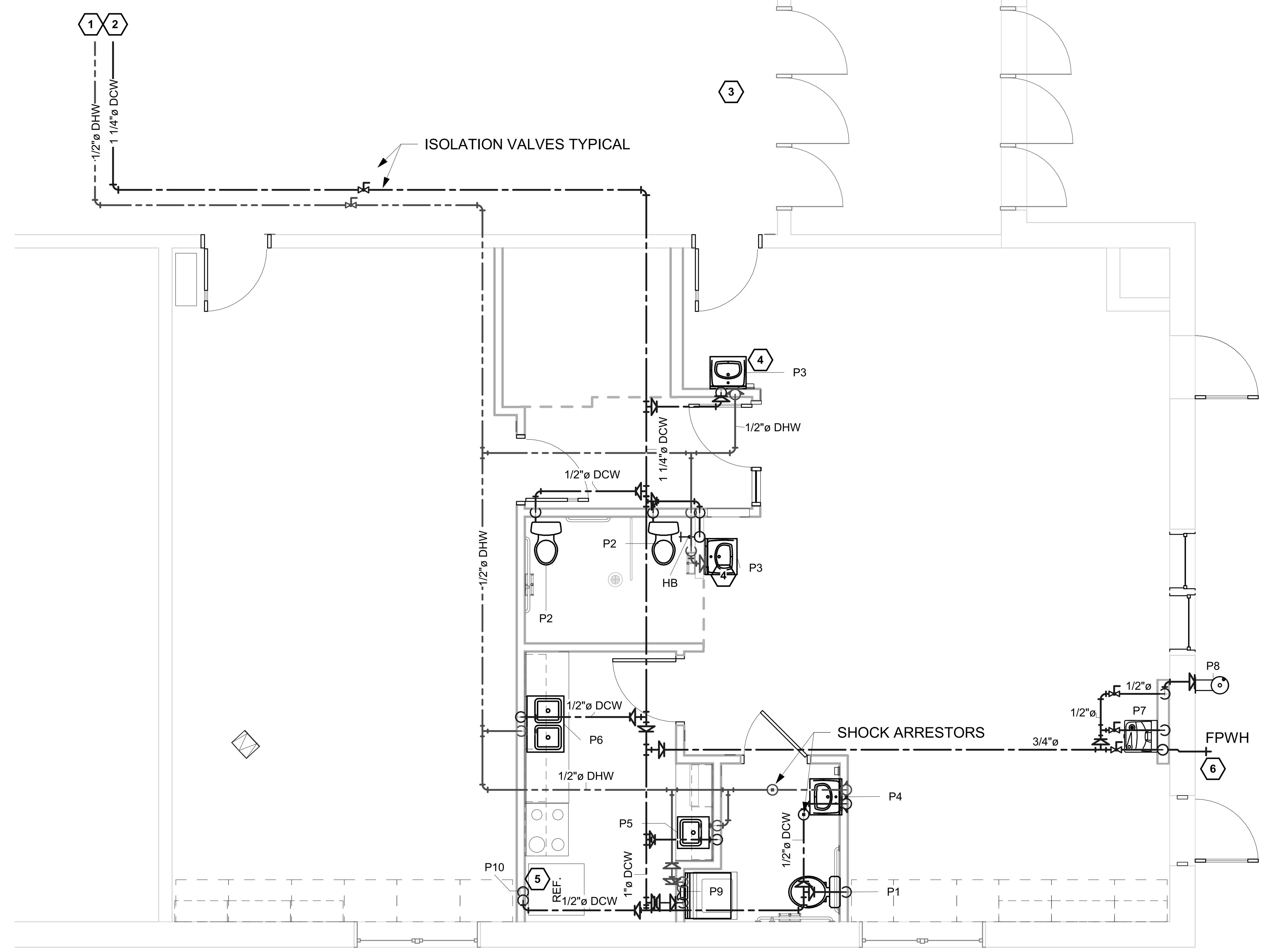
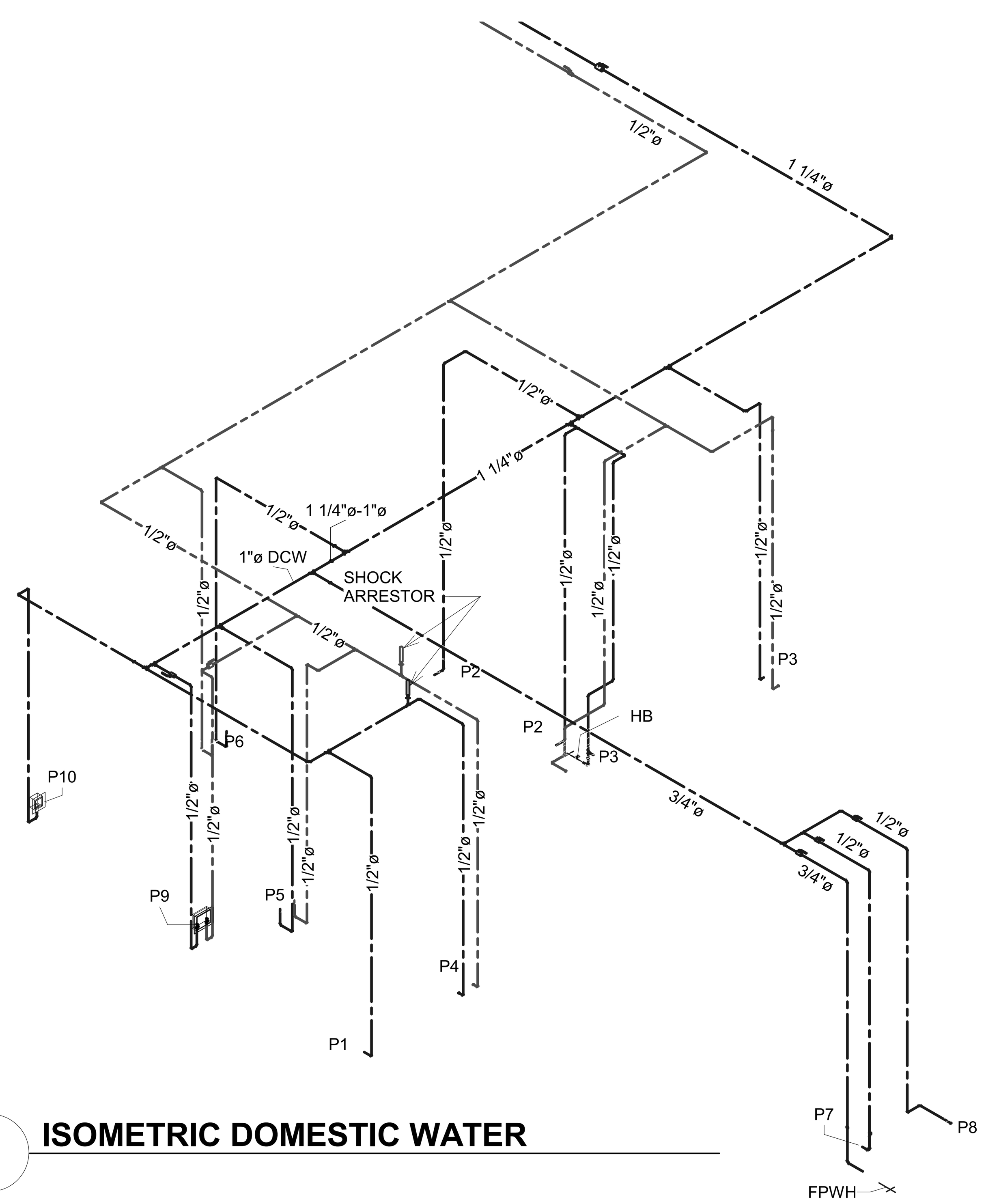


1 **PLUMBING FLOOR PLAN - CONSTRUCTION - DOMESTIC WATER**

1/4" = 1'-0"

1. CONNECT 1/2" HW TO EXISTING 3/4" HW IN CORRIDOR OUTSIDE OF GIRLS RESTROOM. FIELD VERIFY PIPING LOCATIONS & SIZES.
2. CONNECT 1-1/4" CW TO EXISTING 2" CW IN CORRIDOR OUTSIDE OF GIRLS RESTROOM. FIELD VERIFY PIPING LOCATIONS & SIZES.
3. ROUTE 1/2" DCW AND 1/2" DHW DOWN IN WALL THEN INTO SHORT WALL TO SINK.
4. PROVIDE MIXING VALVE MOUNTED BELOW SINK ON WALL. WATTS MODEL #LFG480.
5. 1/2" CW DOWN TO ICEMAKER SERVICE BOX.
6. PROVIDE FREEZE PROOF KEYED WALL HYDRANT MODEL 65 BY WOODFORD, MOUNT AT 18" AFG.



2 **ISOMETRIC DOMESTIC WATER**

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PLUMBING FLOOR PLANS - DOMESTIC WATER

Sheet Number:
P1.2

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 18486 JEROME C. HAY
9/24/19

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PLUMBING NOTES:

1. THE BUILDING PLANS ARE BASED ON INFORMATION PROVIDED BY THE ARCHITECT. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, QUANTITIES, AND CONDITIONS PRIOR TO WORK. OWNER WILL NOT APPROVE ANY CHANGE ORDERS RESULTING FROM CONTRACTOR'S FAILURE TO FIELD VERIFY. DRAWINGS SHALL NOT BE SCALED TO DETERMINE ACTUAL DIMENSIONS.
2. SYMBOLS AND ABBREVIATIONS MAY NOT ALL BE UTILIZED FOR THIS PROJECT.
3. UNLESS OTHERWISE INDICATED PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, TRENCHING, CORE-DRILLING, PATCHING AND BACKFILL REQUIRED TO INSTALL PLUMBING WORK. GC IS RESPONSIBLE FOR CONCRETE REPAIR.
4. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING PLUMBING RELATED WORK WITH OTHER TRADES. PLUMBING CONTRACTOR IS CAUTIONED THAT IT IS TOTALLY HIS RESPONSIBILITY TO COORDINATE HANGERS AND SUPPORTS WITH OTHER TRADES.
5. ITEMS SHOWN TO BE DEMOLISHED MAY OR MAY NOT BE CORRECTLY LABELED OR LOCATED. EXAMINE EXISTING CONDITIONS OF ALL AREAS AND FIELD VERIFY/IDENTIFY ALL UTILITIES BEFORE STARTING DEMOLITION OR NEW CONSTRUCTION. VERIFICATION/IDENTIFICATION SHALL INCLUDE TRACING EACH UTILITY TO DETERMINE ITS EXACT ORIGIN AND THE AREA OR EQUIPMENT THE UTILITY SERVES. IN ADDITION TO SPECIFICALLY NOTED PLUMBING DEMOLITION, THIS CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL PLUMBING AS REQUIRED TO ELIMINATE INTERFERENCES WITH INSTALLATION OF NEW WORK. ALL DEMOLITION WORK SHALL BE PERFORMED WITH "DUE CARE AND DILIGENCE" SO AS TO PREVENT THE ARBITRARY DESTRUCTION OR INTERRUPTION OF CONCEALED
6. UTILITIES WHICH ARE INTENDED TO REMAIN IN USE AND THE ROUTING OF WHICH COULD NOT BE PREDETERMINED UNTIL DEMOLITION WAS STARTED. ALL SUCH DISCOVERIES OF UTILITIES DURING THE DEMOLITION PROCESS WHICH ARE IN A LOCATION DIFFERENT FROM THAT INDICATED, CHANGE DIRECTION FROM FLOOR TO FLOOR, ETC., OR ARE UNIDENTIFIED, SHALL BE REPORTED TO THE ARCHITECT BEFORE REMOVAL.
7. VISIT THE SITE PRIOR TO BID DATE AND EXAMINE ALL AREAS TO BE DEMOLISHED AND RENOVATED. THOROUGHLY FAMILIARIZE YOURSELF WITH EXISTING CONDITIONS. NO EXTRA COMPENSATION WILL BE GIVEN FOR FAILURE TO THOROUGHLY EXAMINE EXISTING CONDITIONS TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK. "KEYED" NOTES ON THE DRAWINGS. ARE PROVIDED TO ASSIST BIDDERS TO DETERMINE THE SCOPE OF DEMOLITION WORK.
8. THE OWNER HAS THE RIGHT TO FIRST REFUSAL ON ALL ITEMS REMOVED DURING THE DEMOLITION PHASE OF THIS PROJECT. ITEMS NOT TURNED OVER TO THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE PREMISES ON A DAILY BASIS. EXISTING AREAS WHETHER WITHIN OR WITHOUT THE "GENERAL LIMITS OF CONSTRUCTION", SHALL BE REPAIRED WHERE ANY DAMAGE HAS OCCURRED DUE TO CONSTRUCTION BY THE CONTRACTOR.
9. CONTRACTOR IS RESPONSIBLE FOR SEALING ALL PIPING PENETRATIONS THROUGH ALL NON-RATED WALLS TO PREVENT SOUND TRANSFER. GYPSUM WALL BD. "MUD" MAY BE USED. FIRE RATED ASSEMBLIES SHALL BE PROTECTED PER UL DETAILS.
10. REFER TO PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES TO FIXTURES.
11. ALL SHUTDOWNS OF THE EXISTING UTILITIES SHALL BE SCHEDULED IN ADVANCE WITH OWNER.
12. DEMOLITION OF PLUMBING FIXTURES AND PIPING IS THE RESPONSIBILITY OF THE PC. ALL ACCESSIBLE PIPING MADE OBSOLETE BY RENOVATIONS SHALL BE REMOVED. CAP PIPING WHERE UNABLE TO REMOVE.
13. UNLESS OTHERWISE NOTED, WASTE PIPING SHOWN ON THE PLANS IS LOCATED BELOW THE FLOOR LEVEL OF THE PLAN SHOWN. WATER AND VENT PIPING IS LOCATED IN THE CEILING LEVEL OF THE PLAN SHOWN.
14. PLUMBER SHALL PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE AND PROPERLY FUNCTIONING PROJECT INCLUDING BUT NOT LIMITED TO; STOP VALVES, SUPPLY HOSES, AND P-TRAPS ETC. PC SHALL INSTALL ALL REUSED AND OWNER SUPPLIED FIXTURES. SEE FIXTURE SCHEDULE FOR PIPE SIZES AND PC SUPPLIED FIXTURES.
15. WARRANT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP SHOWN OR IMPLIED BY THESE DOCUMENTS TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR FROM THE TIME OF ACCEPTANCE BY THE OWNER. IF WITHIN ONE YEAR AFTER THE OWNER'S ACCEPTANCE DATE ANY WORK OR EQUIPMENT IS FOUND TO BE DEFECTIVE, CORRECT IT PROMPTLY AT NO COST TO THE OWNER.
16. NO DEAD LEGS ARE PERMITTED WHEN WASTE PIPE IS DEMOLISHED. REVISE AND CAP PIPE AS NEEDED TO PREVENT THIS CONDITION.
17. WASTE AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON.
18. SUPPLY PIPING SHALL BE TYPE L COPPER.
19. REFERENCE HAZARDOUS MATERIALS REPORT AVAILABLE FROM OWNER PRIOR TO BEGINNING WORK.
20. INSULATE WITH FIBERGLASS. 1/2" FOR CW AND 1" FOR HW.

PLUMBING FIXTURE SCHEDULE

MARK	MANU. *	MODEL *	FIXTURE TYPE	MOUNTING	COLOR	DESCRIPTION	FIXTURE CONNECTION SIZE			
							C.W.	H.W.	WASTE	VENT
P-1	AMERICAN STANDARD	270AA.101	WATER CLOSET	FLOOR, RIM @ 16.5"	WHITE	VITREOUS CHINA, ELONGATED BOWL, TANK TYPE 1.28 GPF. SIPHON JET FLUSHING ACTION, SEAT: SOLID PLASTIC WITH OPEN FRONT, CHECK HINGE, WHITE. TRIP HANDLE ON APPROAH SIDE OF TOILET. ADA/NC ACCESSIBILITY CODE COMPLIANCE.	3/4"	---	3"	2"
P-2	AMERICAN STANDARD	2315.228	WATER CLOSET	FLOOR, RIM @ 10.25"	WHITE	VITREOUS CHINA, ROUND BOWL, TANK TYPE 1.28 GPF. 10" ROUGH-IN, SIPHON JET FLUSHING ACTION, TRIP HANDLE ON APPROAH SIDE OF TOILET. SEAT: SOLID PLASTIC WITH OPEN FRONT, CHECK HINGE, WHITE.	3/4"	---	3"	2"
P-3	AMERICAN STANDARD	356.041	LAVATORY	WALL @ 31" AFF	WHITE	15" X 10" BOWL, WALL MOUNTED, VITREOUS CHINA, SELF DRAINING DECK WITH BACK SPLASH SHIELD, 1 CENTER HOLE PUNCH, FRONT OVERFLOW, CONCEALED ARM SUPPORT. ADA/NC ACCESSIBILITY CODE COMPLIANCE	1/2"	---	2"	2"
	CHICAGO	116.202.AB.1	LAVATORY FAUCET	DECK	CHROME	BATTERY OPERATED, SINGLE HOLE 1.5 GPM, VANDAL PROOF AREATOR. SINGLE SUPPLY LINE. ADA/NC ACCESSIBILITY CODE COMPLIANCE				
P-4	AMERICAN STANDARD	356.041	LAVATORY	WALL @ 34" AFF	WHITE	15" X 10" BOWL, WALL MOUNTED, VITREOUS CHINA, SELF DRAINING DECK WITH BACK SPLASH SHIELD, 1 CENTER HOLE PUNCH, FRONT OVERFLOW, CONCEALED ARM SUPPORT. ADA/NC ACCESSIBILITY CODE COMPLIANCE	1/2"	1/2"	2"	2"
	CHICAGO	116.222.AB.1	LAVATORY FAUCET	DECK	CHROME	BATTERY OPERATED, SINGLE HOLE 1.5 GPM, VANDAL PROOF AREATOR. DUAL SUPPLY LINES. ADA/NC ACCESSIBILITY CODE COMPLIANCE				
P-5	ELKAY	LRAD202265	SINK	SELF RIMMING	STAINLESS	SELF RIMMING, 16" X 16" X 6.5" BOWL, 18 GAUGE TYPE 304 NICKEL BEARING STAINLESS STEEL, 3 HOLES ON 8" CENTERS, REARCENTER DRAIN, PROVIDE UNDER COUNTER INSULATION KIT. ADA/NC ACCESSIBILITY CODE COMPLIANCE	1/2"	1/2"	2"	1-1/2"
	CHICAGO	786-GN8AE35-369AB	SINK FAUCET	DECK	CHROME	DECK MOUNTED, 8" GOOSENECK SPOUT. 8" FIXED CENTERS, 1.5 GPM VANDAL PROOF LEVER HANDLES, SOLID BRASS CONSTRUCTION. ADA/NC ACCESSIBILITY CODE COMPLIANCE				
P-6	ELKAY	LRAD332165	SINK	SELF RIMMING	STAINLESS	DOUBLE BOWL, SELF RIMMING, 13.5" X 16" X 6.5" BOWLS, 18 GAUGE TYPE 304 NICKEL BEARING STAINLESS STEEL, 3 HOLES ON 8" CENTERS, REAR CENTER DRAIN, PROVIDE UNDER COUNTER INSULATION KIT. ADA/NC ACCESSIBILITY CODE COMPLIANCE	1/2"	1/2"	2"	1-1/2"
	CHICAGO	201-AGN10ASE3317AB	SINK FAUCET	DECK	CHROME	DECK MOUNTED, 10" GOOSENECK SPOUT. 8" FIXED CENTERS, 2.2 GPM VANDAL PROOF WRISTBLADE HANDLES, SOLID BRASS CONSTRUCTION. ADA/NC ACCESSIBILITY CODE COMPLIANCE				
P7	ELKAY	EZSDWSSK	WATER COOLER & BOTTLE FILLER	WALL 30" TO SPOUT OUTLET	STAINLESS	WALL MOUNT SINGLE LEVEL WATER COOLER WITH BOTTLE FILLER, 8 GPH 50 DEGREE WATER, FRONT PUSH BAR. ADA/NC ACCESSIBILITY CODE COMPLIANCE	1/2"	---	1-1/4"	1-1/2"
P8	ELKAY	LK445FRK	OUTDOOR FOUNTAIN	WALL 30" TO SPOUT OUTLET	STAINLESS	WALL MOUNT SINGLE LEVEL WATER FOUNTAIN, VANDAL RESISTANT BUBLER, COLOR BY ARCHITECT. FRONT PUSH BUTTON. ADA/NC ACCESSIBILITY CODE COMPLIANCE	1/2"	---	1-1/4"	1-1/4"
P9	GUY GRAY	TT200QTS	WASHER BOX	WALL	WHITE	WHITE POWDER COATED COLD ROLLED STEEL OUTLET BOX WITH QUARTER TURN VALVES. DUAL 2" OUTLETS FOR WASHER AND AUXILLARY HVAC CONDENSATE	3/4"	3/4"	2 - 2"	1-1/2"
P10	GUY GRAY	MIBHAAB	ICE MAKER BOX	WALL	WHITE	WHITE POWDER COATED COLD ROLLED STEEL OUTLET BOX WITH QUARTER TURN VALVE. 1/2" SWEAT CONNECTION, WITH HAMMER ARRESTOR	1/2"	NA	NA	NA

* BASIS OF DESIGN, EQUALS BY KOHLER, ELJER, TOTO, T&S BRASS, OASIS, FLORESTONE, ZURN, AND WATTS

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PLUMBING - GENERAL

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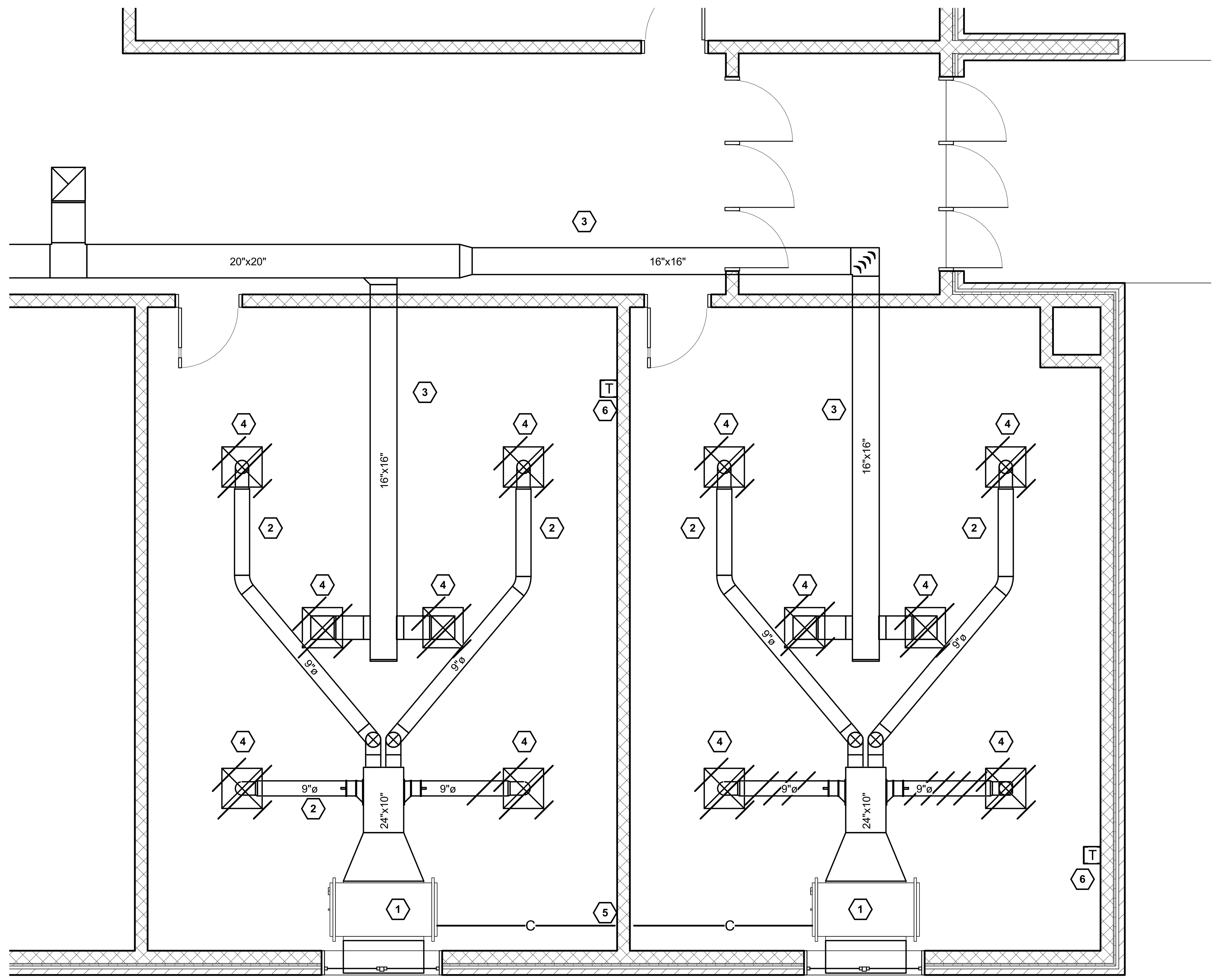
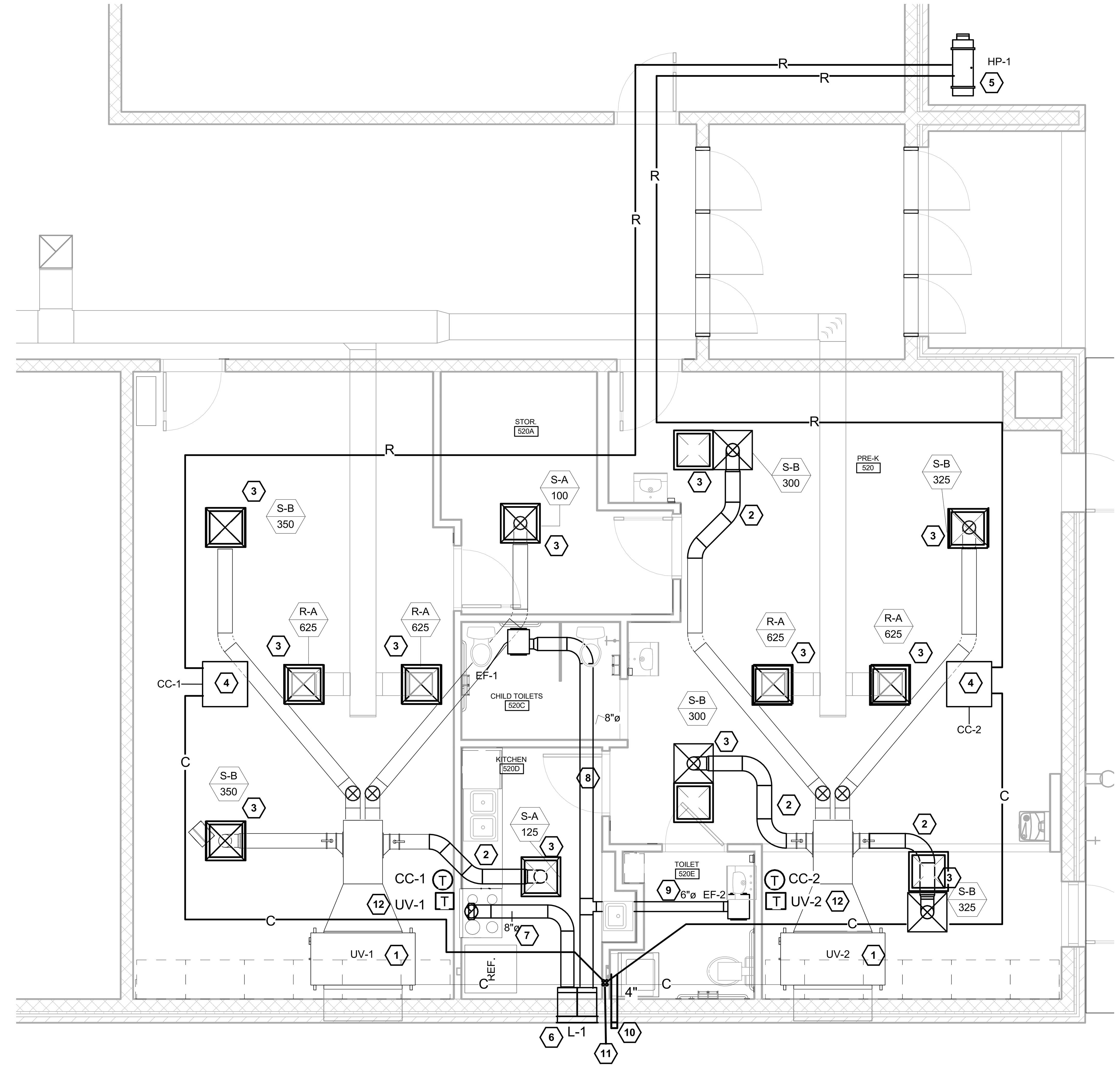
P2.1



1 MECHANICAL FLOOR PLAN - DEMOLITION

1/4" = 1'-0"



2 MECHANICAL FLOOR PLAN - HVAC CONSTRUCTION

1/4" = 1'-0"

KEYED NOTES

1. EXISTING CLASSROOM VENTILATOR TO REMAIN.
2. EXISTING SUPPLY DUCTING TO REMAIN. FIELD VERIFY LOCATIONS. REVISE DUCTING AS NEEDED FOR NEW WALLS AND SPACE LAYOUTS.
3. EXISTING EXHAUST DUCTING TO REMAIN. FIELD VERIFY LOCATIONS.
4. REMOVE EXISTING SUPPLY, EXHAUST GRILLES AND DUCTING WHERE SHOWN.
5. EXISTING CONDENSATE DRAINS TO REMAIN. PREP PIPING FOR CONNECTION TO NEW DRAIN.
6. EXISTING TEMPERATURE SENSOR SHALL BE REMOVED FROM WALL AND STORED FOR REUSE.

KEYED NOTES

1. EXISTING CLASSROOM VENTILATOR TO REMAIN. CLEAN, PRIME AND PAINT EXPOSED PORTIONS OF UNIT. COLOR BY ARCHITECT.
2. REVISE EXISTING DUCT LAYOUT TO ALLOW INSTALLATION OF NEW SUPPLY GRILLES IN GRID CEILINGS.
3. PROVIDE NEW SUPPLY AND EXHAUST GRILLES PER SCHEDULE. REVISE DUCTING AS REQUIRED.
4. PROVIDE NEW VRF CEILING CASSETTE FOR EACH CLASSROOM. ROUTE REFRIGERANT PIPING ABOVE CEILINGS TO OUTDOOR UNIT.
5. VRF HEAT PUMP. MOUNT ON 4" POURED CONCRETE PAD TO EXTEND 6" BEYOND HEAT PUMP.
6. PROVIDE 24x12 EXHAUST LOUVER IN WALL WITH FULL SIZE PLENUM ABOVE CEILING. PROVIDE SHEET METAL DIVIDER BETWEEN EXHAUST STREAMS.
7. ROUTE 8" ROUND EXHAUST DUCT FROM HOOD TO EXHAUST LOUVER PLENUM.
8. ROUTE 8" ROUND EXHAUST DUCT FROM EF-2 TO EXHAUST LOUVER PLENUM.
9. ROUTE 6" ROUND EXHAUST DUCT FROM EF-1 TO 8" ROUND EXHAUST DUCT.
10. PROVIDE 4" ALUMINUM DRYER VENT AND WALL CAP TO EXHAUST DRYER.
11. EXTEND EXISTING UNIT VENTILATORS CONDENSATE DRAINS AND CEILING CASSETTE CONDENSATE DRAINS INDIVIDUALLY DOWN IN WALL TO AUXILLARY DRAIN IN WASHER BOX. COORDINATE WITH PLUMBING CONTRACTOR.
12. RELOCATED UNIT VENTILATOR TEMPERATURE SENSOR.

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MECHANICAL FLOOR PLANS

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MECHANICAL GENERAL NOTES:

1 THE BUILDING PLANS ARE BASED ON INFORMATION PROVIDED BY THE ARCHITECT. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, QUANTITIES, AND CONDITIONS PRIOR TO WORK. OWNER WILL NOT APPROVE ANY CHANGE ORDERS RESULTING FROM CONTRACTOR'S FAILURE TO FIELD VERIFY. DRAWINGS SHALL NOT BE SCALED TO DETERMINE ACTUAL DIMENSIONS.

2 THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE APPROXIMATE LOCATION OF EQUIPMENT, PIPING AND DUCTWORK. MINOR ADJUSTMENTS AND OFFSETS SHALL BE PROVIDED WHERE REQUIRED AT NO ADDITIONAL COST TO THE OWNER. COORDINATE CHANGES IN ROUTING OR OTHER WORK WITH THE ENGINEER PRIOR TO PROCEEDING.

3 EXISTING AREAS WHETHER WITHIN OR WITHOUT THE "GENERAL LIMITS OF CONSTRUCTION", SHALL BE REPAIRED WHERE ANY DAMAGE HAS OCCURRED DUE TO CONSTRUCTION BY THE CONTRACTOR.

4 ALL PENETRATIONS SHOULD BE REUSED TO EXTENT POSSIBLE. PATCH NEW AND EXISTING PENETRATIONS TO MATCH EXISTING WALL CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR SEALING ALL PENETRATIONS THROUGH ALL WALLS TO PREVENT SOUND TRANSFER. GROUT OR GYPSUM WALL BD. "MUD" MAY BE USED FOR NON RATED WALLS. PENETRATIONS THROUGH RATED WALLS SHALL BE MADE PER THE UL DETAILS PROVIDED.

5 ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THE NORTH CAROLINA STATE MECHANICAL CODE.

6 UNLESS OTHERWISE INDICATED MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, CORE-DRILLING AND PATCHING OF FLOORING AND WALLS AS REQUIRED TO MATCH EXISTING CONDITIONS.

7 MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING MECHANICAL RELATED WORK WITH OTHER TRADES. MECHANICAL CONTRACTOR IS CAUTIONED THAT IT IS TOTALLY HIS RESPONSIBILITY TO COORDINATE HANGERS AND SUPPORTS ETC. WITH OTHER TRADES.

8 DUCT DIMENSIONS INDICATED ON THE PLANS ARE NET INSIDE DIMENSIONS. FIELD VERIFY ALL MEASUREMENTS AND DIMENSIONS BEFORE FABRICATING DUCTWORK.

9 ALL SOLID DUCTWORK SHALL BE GALVANIZED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE CURRENT SMACNA DUCT CONSTRUCTION STANDARDS. DUCT SHALL BE CONSTRUCTED FOR ANTICIPATED STATIC PRESSURES. ALL JOINTS SHALL BE SEALED WITH MASTIC. MAXIMUM FLEX DUCT LENGTH IS 5'.

10 ALL NEW METAL SUPPLY DUCTWORK AND ALL RETURN DUCTWORK SHALL BE INSULATED WITH 2" EXTERNAL, 3/4 LB. DENSITY DUCT INSULATION, PROPERLY TAPED AND SEALED TO PROVIDE A CONTINUOUS VAPOR BARRIER. FRESH AIR DUCTS SHALL BE INSULATED SAME AS ABOVE. EXHAUST DUCTWORK DOES NOT TO BE INSULATED.

11 ALL SUPPLY DUCT ELBOWS SHALL CONTAIN TURNING VANES.

12 FIELD VERIFY UNIT & DUCT LOCATIONS. COORDINATE DUCT SIZING AND LAYOUT WITH BUILDING STRUCTURE PRIOR TO INSTALLATION. REVISE DUCTS TO EQUIVALENT SIZES AS NEEDED.

13 MOUNT ROOM TEMPERATURE SENSORS AT 48" AFF. MOUNT THERMOSTATS AT 48" AFF. REPAIR WALL FROM REMOVAL OF EXISTING SENSOR TO MATCH EXISTING. ROUTE CONTROL WIRING IN WALL.

14 ALL SHUTDOWNS OF THE EXISTING UTILITIES SHALL BE SCHEDULED IN ADVANCE WITH OWNER.

15 ALL EQUIPMENT, BOTH EXISTING AND NEW, SHALL BE LABELED WITH PERMANENT LABELS, PROPERLY AFFIXED TO THE EQUIPMENT.

16 PROPER FIRE WATCH TO BE MAINTAINED AT ALL TIMES DURING WELDING OR OPEN FLAME USE.

17 IF THE BUILDING WILL BE OCCUPIED DURING CONSTRUCTION. COORDINATE WORK SO THAT UTILITIES ARE OPERATIONAL WHEN NEEDED IN OCCUPIED AREAS.

LOUVER SCHEDULE

MARK	MANU. *	MODEL *	SERVICE	MIN. FREE AREA (SF)	SIZE (WxH)
L-1	GREENHECK	ESD-435	RANGE HOOD/ RESTROOMS EXHAUST	0.49	18" X 12"

* BASIS OF DEISGN

EXHAUST FAN SCHEDULE

MARK	MANU. *	MODEL *	AREA SERVED	MOUNTING	CFM	SP (in)	MAX SONES	WATTS	VOLTS/PHASE
EF-1	GREENHECK	SP-A50-90-VG	STAFF TOILET	CEILING	50	0.25	0.7	5.5	120 / 1
EF-2	GREENHECK	SP-A90-130-VG	CHILDREN TOILET	CEILING	110	0.25	1.3	12.7	120 / 1

Notes: FANS SHALL HAVE ECM MOTORS.
EXHAUSTS SHALL TERMINATE TOGETHER WITH MODEL WC 8x8 WALL CAP.

* BASIS OF DESIGN - EQUALS BY PENN OR COOK

MINI SPLIT SYSTEM SCHEDULE

INDOOR AIR HANDLING UNIT										OUTDOOR CONDENSING UNIT								
MARK	MANU. *	MODEL *	TYPE	SERVICE	NOMINAL CFM	COOLING (MBH) TOTAL	COOLING (MBH) SENS.	HEATING (MBH)	VOLTS / PHASE	MARK	MAN. *	MODEL *	COOLING (MBH)	HEATING (MBH)	REFRIG.	MCA	MOCP	VOLTS / PHASE
CC-1	DAIKIN	FFQ12Q2VJU	CEILING CASSETTE	TRAINING ROOM 521	350	12.0	3.1	11.6	208 / 1	HP-1	DAIKIN	4MXS36RMVJU	36.0	36.0	R410A	23.9	25	208 / 1
CC-2	DAIKIN	FFQ18Q2VJU	CEILING CASSETTE	PRE-K 520	375	18.0	3.6	18.9	208 / 1									

* BASIS OF DESIGN, COOLING RATED AT 89° F OUTSIDE AIR, HEATING RATED AT 11° F OUTSIDE AIR
1. MANUFACTURER TO PROVIDE ANY REFRIGERANT PIPING SPECIALTIES, WIRED WALL MOUNTED THERMOSTATS, AND THE I TOUCH MANAGER

SUPPLY DIFFUSER SCHEDULE BASE BID

MARK	MANU. *	MODEL *	TYPE	MOUNTING	CFM RANGE	FACE SIZE	NECK SIZE	MATERIAL	FINISH	NOTES
S-A	PRICE	AMDA	4 WAY LOUVERED	ATC	0 - 125	2' X 2'	6 x 6	ALUMINUM	WHITE	1
S-B	PRICE	AMDA	4 WAY LOUVERED	ATC	276-500	2' X 2'	12 x 12	ALUMINUM	WHITE	1

* BASIS OF DESIGN - EQUALS BY METALAIRE OR NAILOR
1. PROVIDE OPPOSED BLADE DAMPERS, EXTENDED ALUMINUM PANEL AND/OR SQUARE TO ROUND TRANSITION

RETURN DIFFUSER SCHEDULE BASE BID

MARK	MANU. *	MODEL *	TYPE	MOUNTING	CFM RANGE	FACE SIZE	NECK SIZE	MATERIAL	FINISH	NOTES
R-A	PRICE	SERIES 80	EGGCRATE	ATC	625	2' X 2'	14 x 14	ALUMINUM	WHITE	1

* BASIS OF DESIGN - EQUALS BY METALAIRE OR NAILOR
1. PROVIDE EXTEND ALUMINUM PANEL AND/OR SQUARE TO ROUND TRANSITION

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MECHANICAL - GENERAL

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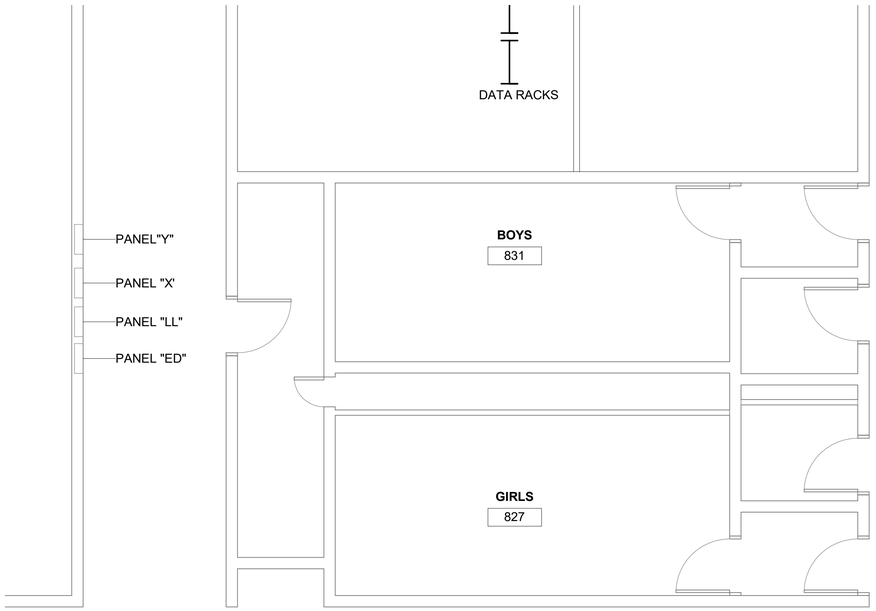

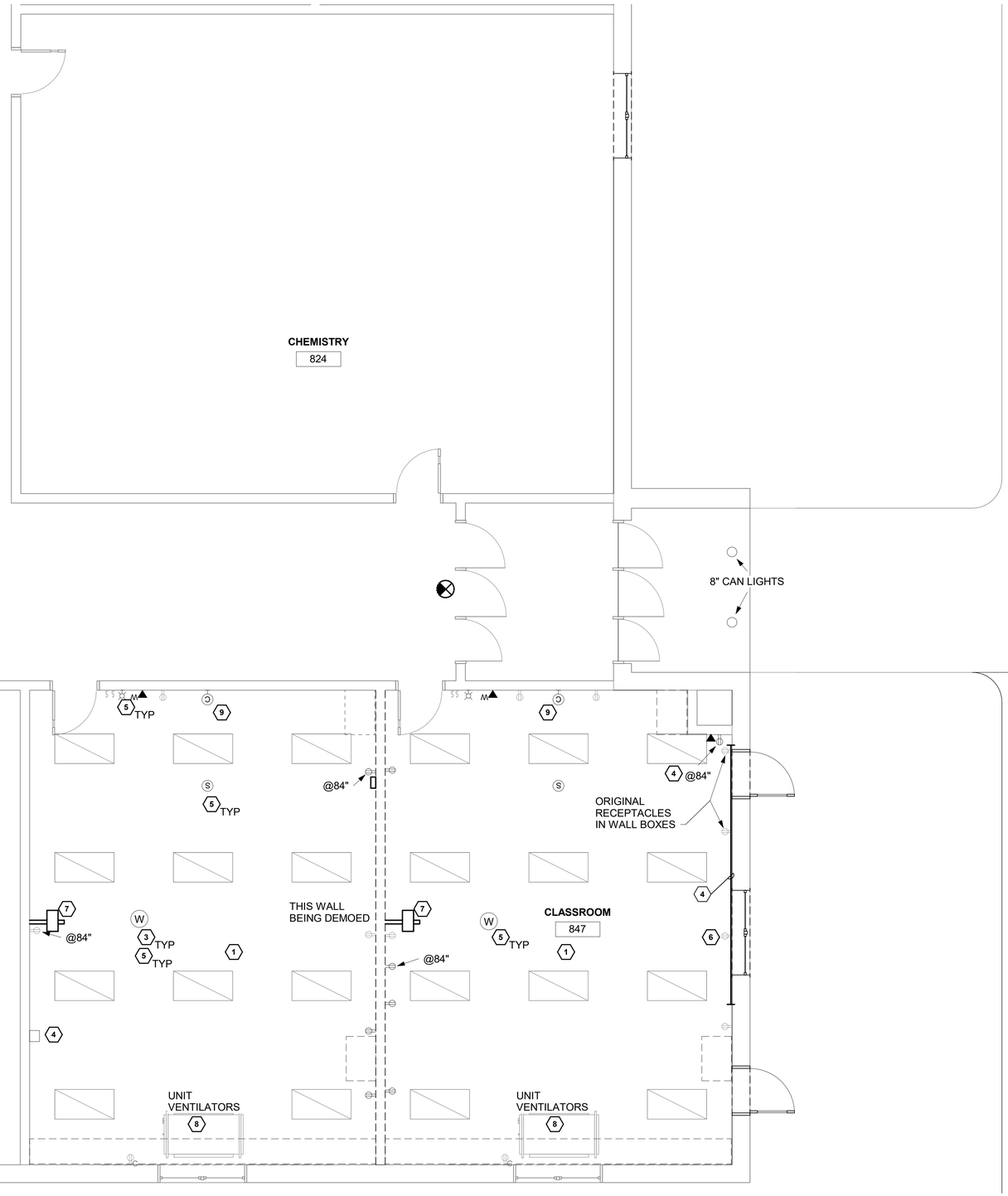

KEYED NOTES

1. REMOVE OR SUSPEND LIGHTS DURING DEMOLITION. STORE AND SAVE ALL LIGHTS FOR REUSE. (SEE E1.2, NOTE 1)
2. REMOVE ALL RECEPTACLES FOR REPLACEMENT. SAVE BOX LOCATION IN OUTER CMU WALLS. CONDUITS AND CIRCUITS EXCEPT IN WALL BEING DEMOED, PROVIDE JUNCTION BOX IN CEILING ABOVE DEMOED WALL AS NEEDED, AND REUSE CIRCUITS WERE FEASIBLE.
3. REMOVE AND SAVE WIFI DEVICES, TELEPHONES, AV EQUIPMENT, PA SPEAKERS, CLOCKS AND FIRE ALARM DEVICES AS NEEDED FOR DEMOLITION, COORDINATE WITH ARCHITECT AND GC.
4. REMOVE ALL SURFACE MOUNTED RECEPTACLES AND RACEWAYS. SAVE SECTION FROM WEST WALL FOR E1.1 NOTE 1.
5. SAVE WIRING/CABLES FOR WIFI, SPEAKERS, FIRE ALARM AND PHONES.
6. ORIGINAL WALL BOXES ARE BEHIND WIREWAY.
7. PROJECTORS TO BE REMOVED AND TUNED OVER TO OWNER.
8. MAINTAIN CIRCUITS TO UNIT VENTILATORS.
9. MAINTAIN CLOCKS.

1 ELECTRICAL FLOOR PLAN - DEMOLITION

1/4" = 1'-0"

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ELECTRICAL
DEMOLITION PLAN

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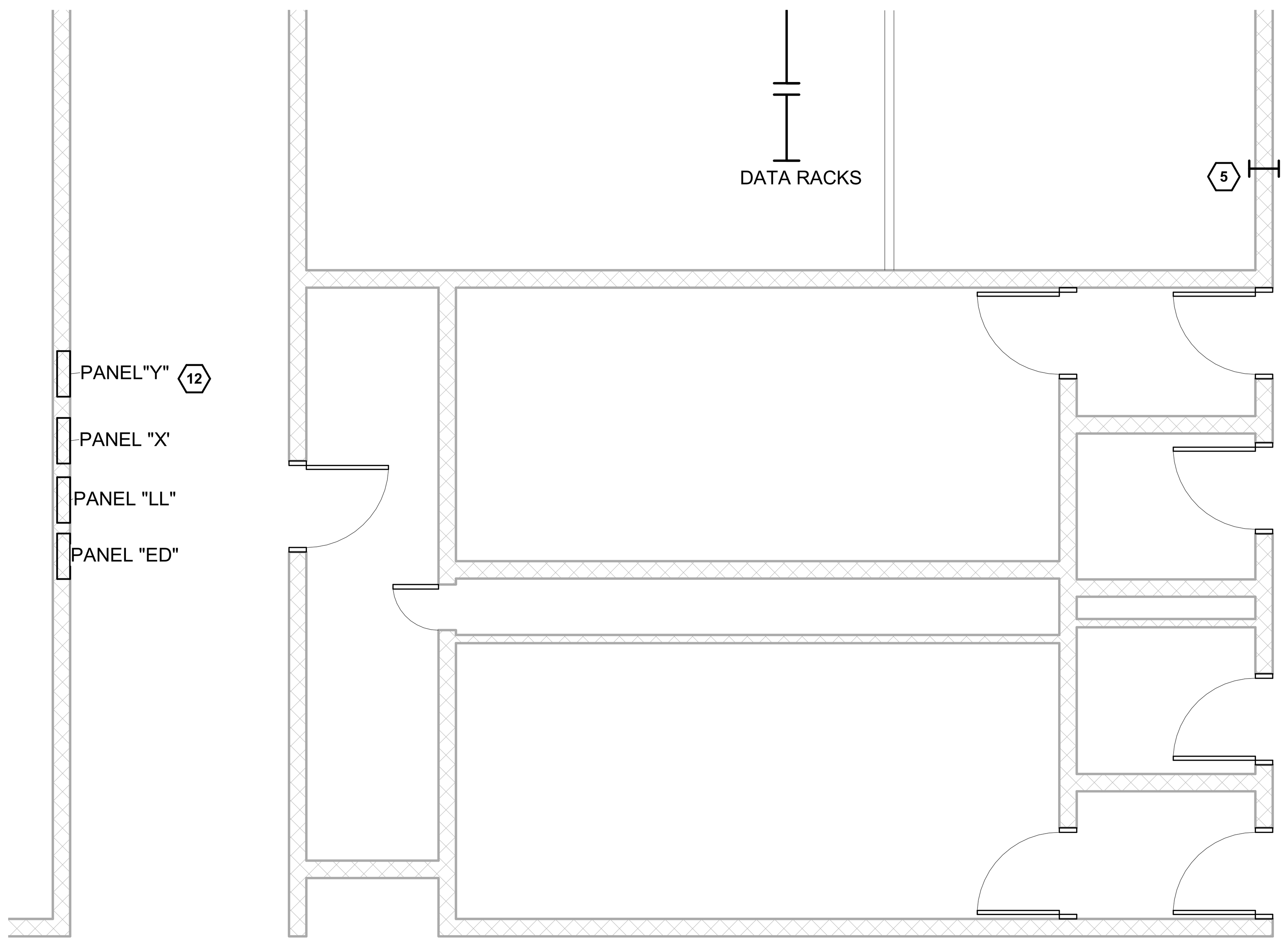

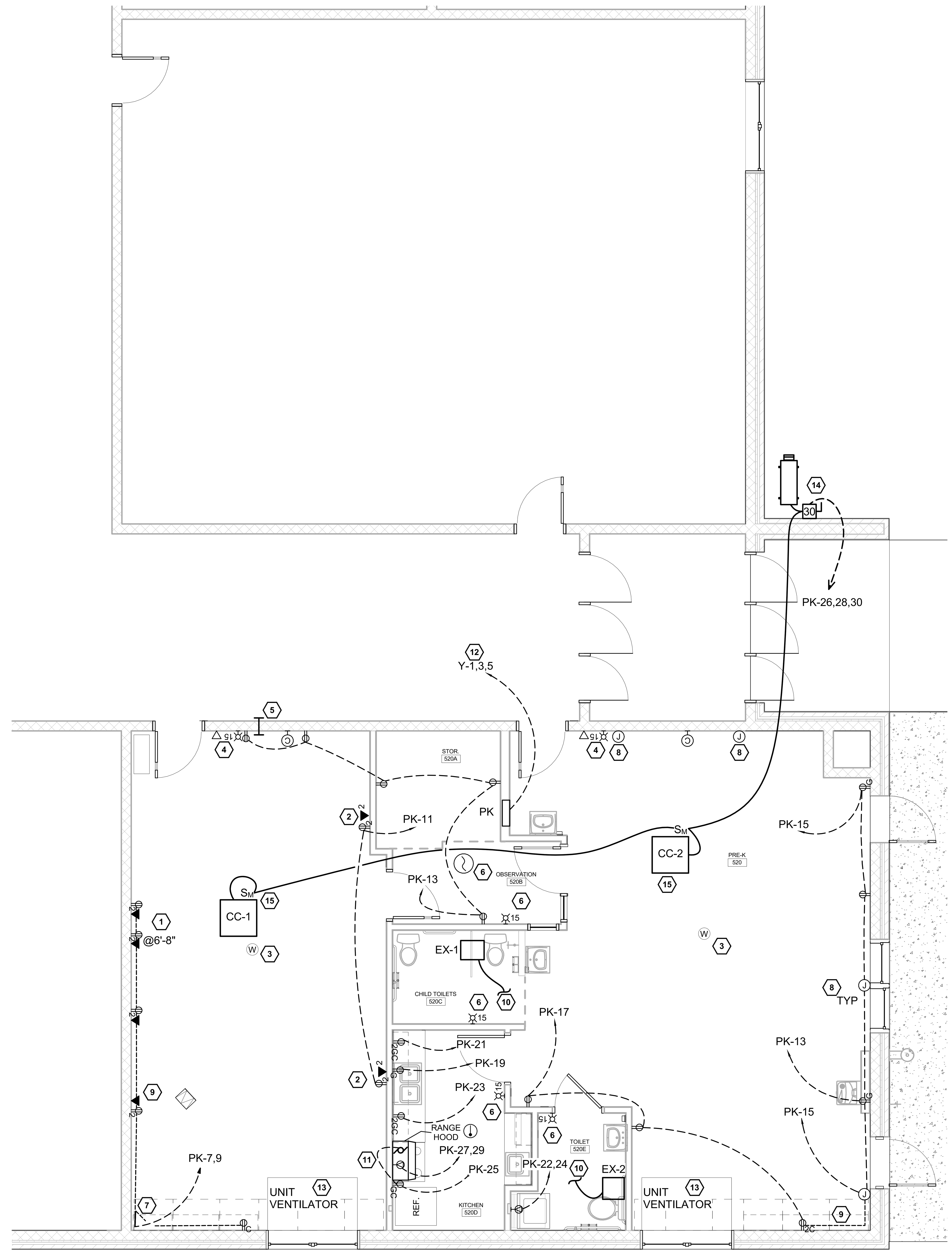

KEYED NOTES

1. SEE PRESENTATION WALL DETAIL. PROVIDE SURFACE RACEWAY FROM E1.0 NOTE 9.
2. PROVIDE QUAD RECEPTACLE AND (4) DATA JACKS. PROVIDE (2) 3/4"C TO WALL AND UP TO CEILING.
3. REUSE WIFI UNITS, EXISTING JACKS, AND CABLES.
4. REUSE EXISTING TELEPHONE AND FIRE ALARM STROBES.
5. PROVIDE 1-1/2" EMT TO 2" BEYOND WALL WITH END BUSHINGS.
6. PROVIDE NEW FIRE ALARM STROBES AND SMOKE DETECTORS.
7. PROVIDE (1) ¾" AND (1) 1" CONDUITS FROM WIREWAY TO CORNER OF ROOM AND UP INTO CEILING.
8. PROVIDE COVERPLATES; USE AS JUNCTION BOX IF REQUIRED.
9. PROVIDE SURFACE RACEWAY; MAY BE SALVAGED FROM E0.1.
10. CIRCUIT FAN TO BATHROOM LIGHTS.
11. PROVIDE REFRIG. GFCI AT COUNTER HEIGHT IN VISIBLE LOCATION. CIRCUIT HOOD FAN TO LINE SIDE OF GFCI.
12. PROVIDE 1 ¼"C, (4) #3, #6G TO PANEL Y. PROVIDE 100 AMP, 3 POLE BREAKER FOR PANEL PK. CIRCUITS 1 & 3 ARE DEMOED. DETERMINE WHICH OTHER CIRCUIT IS DEMOED. MOVE CIRCUIT ON 5 TO DEMOED CIRCUIT. RELABEL DIRECTORY CARD. PANEL IS GL-NQOD.
13. MAINTAIN CIRCUITING TO UNIT VENTILATORS.
14. PROVIDE 30 AMP, NEMA 3R, 2 POLE, 3 WIRE FUSIBLE DISCONNECT WITH (4) 25 AMP TYPE RK-5 FUSES.
15. PROVIDE 2 POLE MOTOR STARTER TOGGLE SWITCHES WITH 1 AMP HEATER OVERLOADS.
16. PROVIDE CAT 6A DATA CABLES INTO EXISTING PATCH PANELS. TERMINATE, LABEL PER FACILITY STANDARD. COORDINATE ALL WORK WITH BCS IT DEPARTMENT. SCOTT EMORY #828-777-1342.

1 ELECTRICAL FLOOR PLAN - POWER
1/4" = 1'-0"

NORTH

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PROJECT #19251
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BUNCOMBE COUNTY SCHOOLS
NORTH BUNCOMBE HIGH SCHOOL DAY CARE
890 CLARKS CHAPEL ROAD
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ELECTRICAL - POWER PLANS

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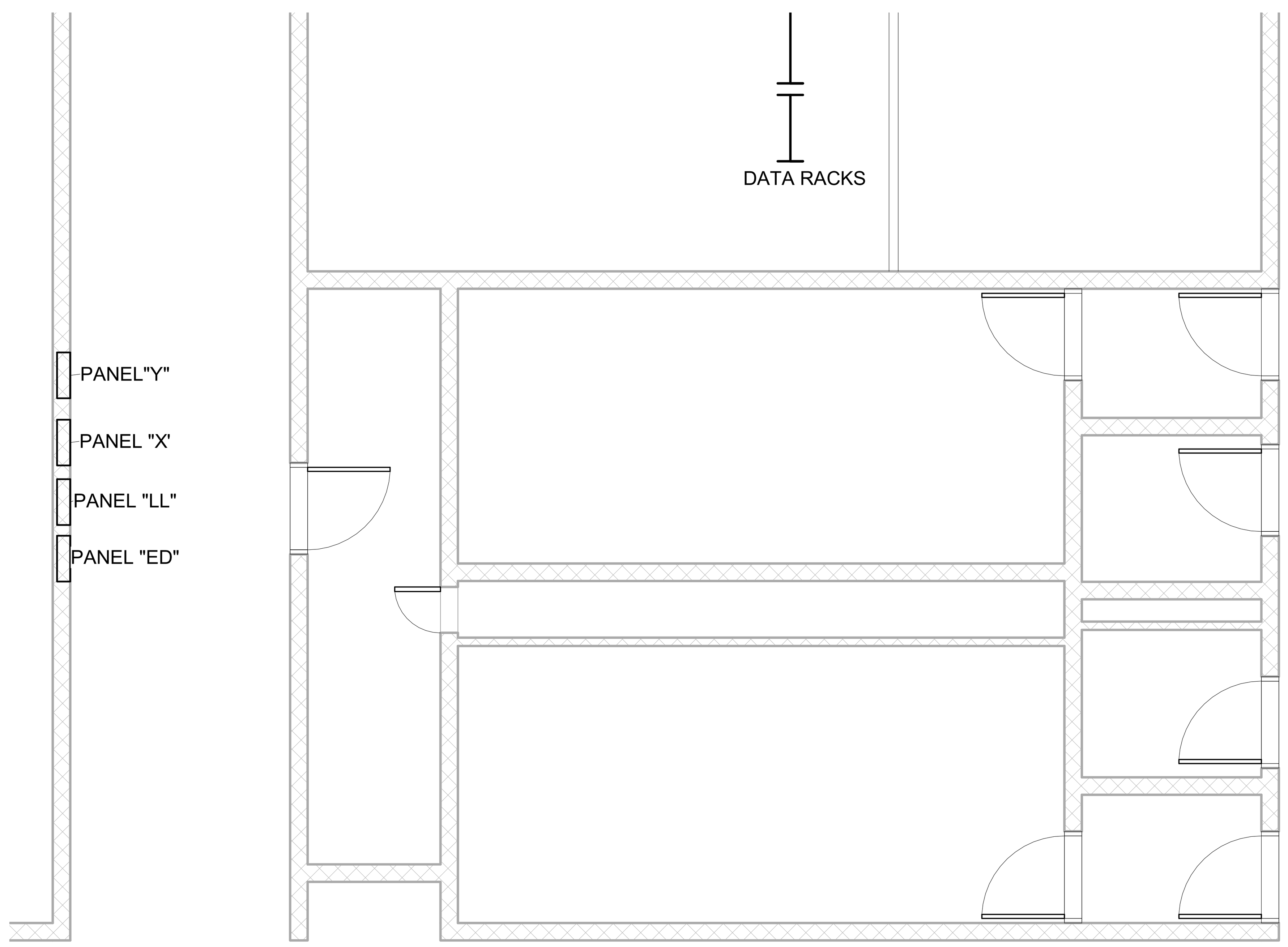

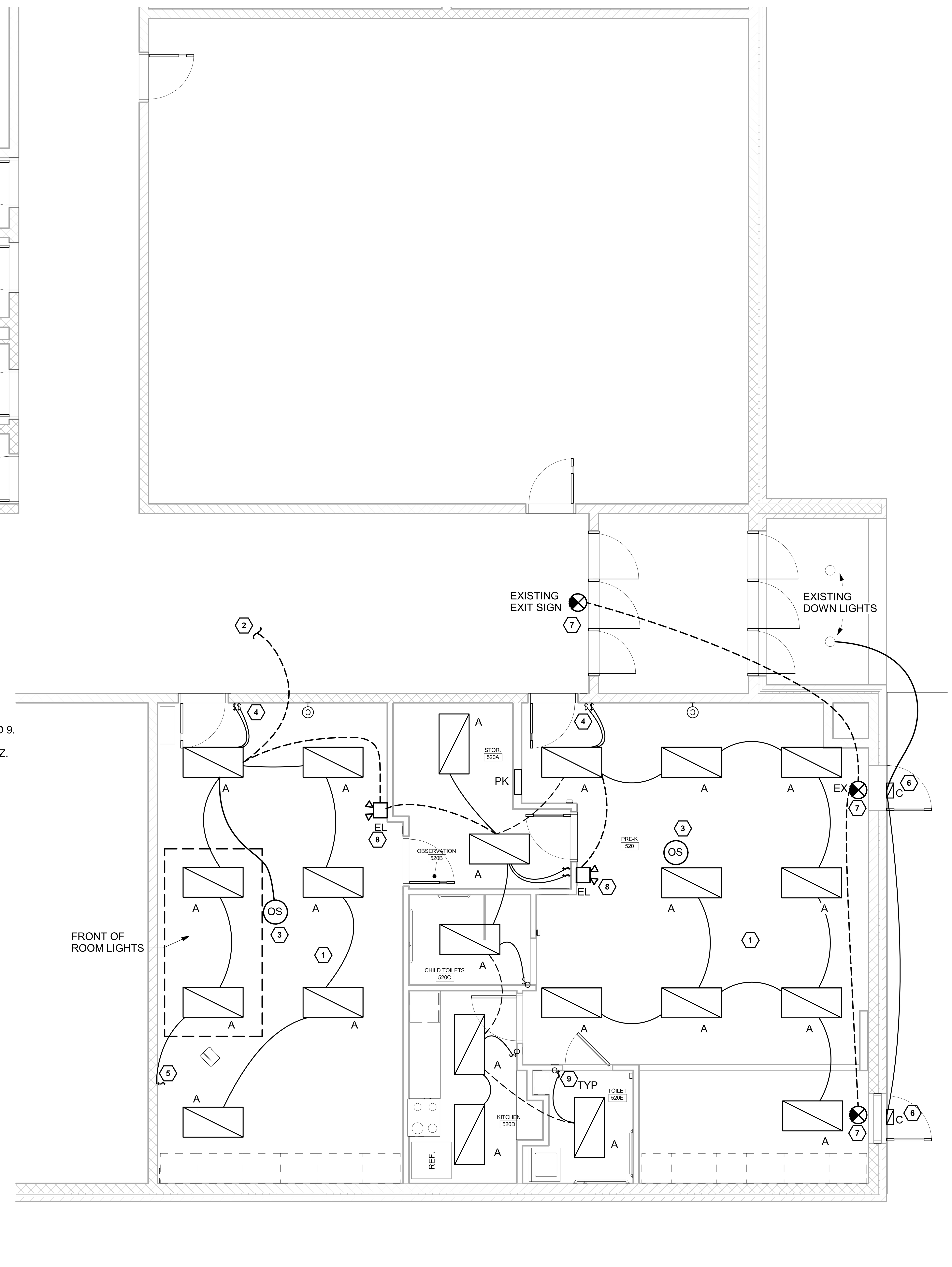

KEYED NOTES

1. REUSE EXISTING FLUORESCENT FIXTURES. CLEAN LENSES AND REPLACE OLD LAMPS (END OF TUBES ARE BLACK). BEFORE DOING THIS WORK, REVIEW WITH OWNER. OWNER MAY OPT TO FURNISH NEW LED FIXTURES.
2. RECONNECT/REUSE EXISTING CIRCUIT FROM PANEL LL.
3. PROVIDE OCCUPANCY SENSORS: LEGRAND #CSD1000LV
4. MAINTAIN EXISTING HI-LOW SWITCH CONTROLS.
5. PROVIDE SWITCH TO SHUT OFF FRONT OF THE ROOM LIGHTS. WIRE VIA SURFACE WIREWAY AND CONDUIT E1.1 NOTE 7 AND 9.
6. PROVIDE WALL MOUNTED LIGHTS, CIRCUITED TO EXISTING OUTDOOR LIGHT CIRCUIT. GARCO #106L-16L-530-NW-G1-2-UNV-BZ.
7. PROVIDE LED EXIT SIGN: CHLORIDE3 # VERW OR EQUAL.
8. PROVIDE EMERGENCY LIGHT: CHLORIDE #CL12-V-W OR EQUAL.
8. PROVIDE WALL IR OCCUPANCY SWITCH: LEGRAND #DW-100WU.

1 ELECTRICAL RCP LIGHTING

1/4" = 1'-0"

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ELECTRICAL - LIGHTING PLANS

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ABBREVIATIONS

A	AMP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
BFG	BELOW FINISHED GRADE
C	CONDUIT (AND DEVICE COUNTER HEIGHT)
CU	COPPER OR CONDENSING UNIT
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ER	REMTOE EMERGENCY LIGHT
EWH	ELECTRIC WALL HEATER
EX	EXIT SIGN
FMC	FLEXIBLE METAL CONDUIT
G	GROUND
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MDS	MAIN DISCONNECT SWITCH
MDP	MAIN DISTRIBUTION PANEL
N	NEUTRAL
NIC	NOT IN CONTRACT
OEM	ORIGINAL EQUIPMENT MANU.
PC	PLUMBING CONTRACTOR
PE	PHOTOCELL
PVC	POLYVINYL CHLORIDE PIPE
PNL	PANELBOARD
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
SA	SURGE ARRESTER
UON	UNLESS OTHERWISE NOTED
VAC	VOLTAGE AC
W	WET LOCATION RATED
WIR	WIRE (SIZE/RATING)

SCOPE OF WORK

PROVIDE TEMPORARY CONSTRUCTION PHASE POWER AND LIGHTING FOR ALL TRADES AS NEEDED.

PROVIDE SUBMITTALS ON ALL POWER, LIGHTING, AND CONTROLS EQUIPMENT.

PROVIDE ALL ELECTRICAL SHOWN ON DRAWINGS AND SPECIFICATIONS AND AS NEEDED TO PROVIDE A COMPLETE FUNCTIONAL INSTALLATION IN COMPLIANCE WITH STATE AND LOCAL CODES.

PROVIDE ALL LOW VOLTAGE, DATA WIRING AND OUTLETS.

PROVIDE FIELD COORDINATION WITH OTHER TRADES AND PROVIDE RED-LINE MARKED UP DRAWINGS TO OWNER OF ALL FIELD CHANGES.

TEST ALL MOTORS FOR CORRECT ROTATION. TEST ALL LIGHTING, SWITCHING, AND OCCUPANCY SENSORS FOR PROPER FUNCTION.

ASSIST OTHER TRADES IN TESTING OF HVAC EQUIPMENT.

TEST AND CERTIFY ALL FIRE ALARM EQUIPMENT.

TEST AND CERTIFY ALL EMERGENCY LIGHTING.

TEST AND DEMONSTRATE OUTDOOR LIGHTING TO OWNER.

PROVIDE ALL REQUIRED ELECTRICALLY RELATED PERMITS AND INSPECTIONS.

PROVIDE ONE YEAR WARRANTY ON ALL PARTS AND LABOR FROM DATE OF PROJECT ACCEPTANCE

GENERAL NOTES (ALL ELECTRICAL SHEETS)

1 THIS DRAWING IS DIAGRAMMATIC AND INDICATES THE APPROXIMATE LOCATION OF DEVICES AND EQUIPMENT. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS ON SITE. MINOR ADJUSTMENTS AND OFFSETS SHALL BE PROVIDED WHERE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

2 PROVIDE ALL WORK IN COMPLIANCE WITH ALL STATE AND LOCAL CODES AND IN AN INDUSTRY STANDARD WORKMANLIKE MANNER.

3 NMC (ROMEX AND SE CABLE FOR FEEDERS) IS NOT ACCEPTABLE. AC/MC CABLE IS ACCEPTABLE WHEN FISHED INSIDE EXISTING WALLS, FOR WHIPS, AND IN CONCEALED LOCATIONS. EMT CONDUITS WITH CRIMP COUPLINGS AND CONDUCTORS SHALL BE USED IN EXPOSED LOCATIONS AND FOR ALL FEEDERS 100A OR LARGER. CONDUIT MINIMUM 3/4".

4 RACEWAYS SHALL NOT BE RUN ON THE EXTERIOR OF BUILDING OR EXPOSED IN FINISHED USER/PUBLIC AREAS.

5 ALL WALLS AND PENETRATIONS SHALL BE REPAIRED AND SEALED, SEE ARCHITECTURAL FOR WALL CONSTRUCTION.

6 ALL WIRE SIZES SHOWN ARE FOR COPPER, UNLESS OTHERWISE NOTED. WIRES #10 OR LESS SHALL BE SOLID.

7 RECEPTACLE AND SWITCH COVER PLATES SHALL BE STAINLESS STEEL, DEVICES SHALL BE WHITE.

8 EC TO PROVIDE DATA BOXES WHERE SHOWN WITH CONDUIT, CABLES, AND DEVICES.

9 ALL SPARE BREAKERS SHALL BE TURNED OFF AND LABELED "SPARE" ON DIRECTORY CARD.

10 PROVIDE ALL CONDUIT AND WIRE TERMINATIONS TO EQUIPMENT.

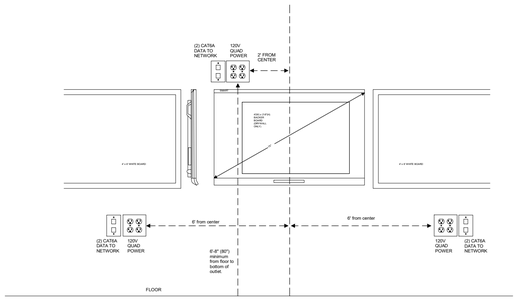
11 GENERALLY FOCUS EMERGENCY LIGHT HEADS AT 45° DOWN ANGLE AND +/- 15°-45° HORIZONTALLY TO COVER EGRESS PATCH. DO FINAL ADJUSTMENT OF HEADS WITH ENGINEER.

12 PRIOR TO LOCATING ANY DEVICES AT CASEWORK, COUNTERTOPS, OR ETC COORDINATE WITH OWNER TO VERIFY MOUNTING HEIGHTS AND LOCATIONS. COORDINATE ANY MOUNTING LOCATIONS PRIOR TO ROUGH IN WITH OWNER.

13 THE ENGINEER HAS ATTEMPTED TO PROVIDE A COMPLETE DESIGN, COMPLIANT WITH ALL CODES. THE CONTRACTOR IS STILL RESPONSIBLE FOR MAKING MINOR ADJUSTMENTS TO MEET CODES AND THE DESIGN INTENT.

GENERAL ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	NEW EQUIPMENT
	EXISTING EQUIPMENT
	TYPICAL LIGHT FIXTURES LETTER INDICATES TYPE
	TYPICAL EXIT SIGN - NUMBER OF FACES AND DIRECTIONAL ARROWS INDICATED, LETTER INDICATES TYPE
	EMERGENCY LIGHTING UNIT
	TELEPHONE OUTLET WITH RJ-11C JACK
	DATA OUTLET WITH 2 RJ-45 JACKS, CAT 6A COMPATIBLE
C	SECURITY CAMERA
100 / 60 3P	DISCONNECT SWITCH - AMP RATING/NO. OF POLES/FUSE SIZE INDICATED
60 3R	NON-FUSIBLE DISCONNECT SWITCH, 60 AMP RATED, HP RATED FOR MOTORS NEMA ENCLOSURE RATING(3R) AS SHOWN. 3R: RAIN TIGHT.
e	ELECTRICAL POWER SUPPLY CONNECTION TO EQUIPMENT - EQUIPMENT TAG OR DESIGNATION INDICATED. COORDINATE LOCATION AND CONNECTION DETAILS WITH EQUIPMENT PROVIDER.
	SPECIAL PURPOSE RECEPTACLE, MATCH RECEPTACLE TO EQUIPMENT PLUG. MAY ALSO BE HARDWIRED JUNCTION BOX OR TOGGLE DISCONNECT SWITCH, COORDINATE WITH EQUIPMENT.
	SIMPLEX RECEPTACLE, NEMA CONFIGURATION 5-20R
	DUPLEX RECEPTACLE, NEMA CONFIGURATION 5-20R
2	TWO DUPLEX RECEPTACLES IN DOUBLE GANG BOX, NEMA CONFIGURATION 5-20R
G	GFCI DUPLEX RECEPTACLE
C	ABOVE COUNTER DUPLEX RECEPTACLE, MOUNT CENTER AT 44" AFF
W	WEATHER TIGHT DUPLEX RECEPTACLE
S	DUPLEX RECEPTACLE ON GENERATOR STANDBY
S	20A, 120/277VAC SINGLE POLE SNAP SWITCH
S_2	20A, 120/277VAC DOUBLE POLE SNAP SWITCH
S_3	20A, 120/277VAC THREE WAY
S_M	MOTOR STARTER TOGGLE SWITCH, #POLE TO MATCH # CIRCUITS
S_O	20A, 120/277 VAC OCCUPANCY SENSOR, INFRARED SNAP SWITCH
S_D	DIMMER LIGHT SWITCH
PA PA	PUBLIC ANNOUNCEMENT SPEAKER, CEILING OR WALL MOUNTED
OS	OCCUPANCY SENSOR, DUAL UV/IR, LINE RATED, 277 VAC
W	WIRELESS INTERNET ACCESS POINT
PC	PHOTO CELL, LINE RATED, 277 VAC
J	JUNCTION BOX
TS	TRANSIENT SUPPRESSOR, NEC TYPE II SPD
	UNDERGROUND CONDUIT
	SWITCHED CIRCUIT
	UNSWITCHED CIRCUIT
	HOMERUN CIRCUIT TO PANEL - CIRCUIT INDICATED
GENERAL FIRE ALARM LEGEND	
	PHOTOELECTRIC SMOKE DETECTOR, MOUNT 3' FROM AIR GRILLES
	COMBINATION RATE OF RISER/FIXED TEMPERATURE HEAT DETECTOR
15	FIRE ALARM HORN/STROBE. WATTAGE AND CANDELA RATING INDICATED, MOUNT AT 90" - 96" AFF
30	FIRE ALARM STROBE OR INDICATOR, CANDELA RATING IS 15 UNLESS OTHERWISE INDICATED, MOUNT AT 90" - 96" AFF

1 ELECTRICAL LEGEND
NTS



SEE E1.1 NOTE 9 FOR SURFACE RACEWAY

2 WHITE BOARD DETAIL
NTS

KVA LOAD A	B	C	DESIGNATION TYPED ON DIRECTORY	GND	NEU	WIR SIZ	BKR	POLES	CKT NO	S/N	CKT NO	POLES	BKR	WIR SIZ	NEU	GND	DESIGNATION TYPED ON DIRECTORY	KVA LOAD A	B	C
0.0			SPARE	-	-	-	20A	1	1		2	1	20	-	-	-	SPARE	0.0		
	0.0		SPARE	-	-	-	20A	1	3		4	1	20	-	-	-	SPARE		0.0	
		0.0	SPARE	-	-	-	20A	1	5		6	1	20	-	-	-	SPARE			0.0
1.1			RCPT - PRESENTATION WALL	12	12	12	20	1	7		8	1	-	-	-	-	SPACE	0.0		
	0.7		RCPT - TRAINING NORTH	12	12	12	20A	1	9		10	1	-	-	-	-	SPACE		0.0	
		0.7	RCPT - TRAINING SOUTH	12	12	12	20A	1	11		12	1	-	-	-	-	SPACE			0.0
1.1			RCPT - OBSERVATION & TRAINING N.	12	12	12	20A	1	13		14	1	-	-	-	-	SPACE	0.0		
	1.0		RCPT - PRE-K WATER COOLER	12	12	12	20A	1	15		16	1	-	-	-	-	SPACE		0.0	
		1.0	RCPT - PRE-K SOUTH WALL	12	12	12	20A	1	17		18	1	-	-	-	-	SPACE			0.0
1.8			RCPT - DISHWASHER	12	12	12	20A	1	19		20	1	-	-	-	-	SPACE	0.0		
	0.4		RCPT - KITCHEN COUNTER	12	12	12	20	1	21		22	2	30	10	10	10	RCPT - WASHER/DRYER		2.5	
		0.4	RCPT - KITCHEN COUNTER	12	12	12	20	1	23		24	-	-	-	-	-	-			2.5
0.8			RCPT - REFRIGERATOR / RANGE HOOD	12	12	12	20	1	25		26	-	-	-	-	-		0.1		
	5.0		OVEN - STOVE	10	8	8	50	2	27		28	3	30	10	10	10	PRE-K AC: HP-1		2.4	
		5.0	-	-	-	-	-		29		30	-	-	-	-	-	-			2.4
4.8	7.1	7.1	TOTAL LEFT														TOTAL RIGHT	0.1	4.9	4.9

TOP FED BREAKER

A B C N G

ENCLOSURE: NEMA 1 RECESS/FLUSH MOUNT
VOLTAGE: 208Y120V-3 PH-4 W
BUSES : 125 AMP AL BUS, 100% AL N
CU GROUND BUS
MAIN: 125 AMP MCB
FEEDER: SEE "POWER RISER DIAGRAM"
INTERRUPTING RATING: 10 KAIC
SPECIAL FEATURES:
SPARES ARE PROVISIONED WITH MOUNTING HARDWARE
DOOR-IN-DOOR WITH OVERALL HINGED COVER

ARC FAULT < 6 KA

LOAD	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING	0.0	1.25	0.0
HVAC (HEAT PUMP)	4.8	0.50	2.4
HVAC (COOLING)	0.1	0.80	0.1
HVAC (HEATING)	0.0	0.50	0.0
LARGE MOTORS (NON HVAC)	0.0	1.25	0.0
VENTILATION	0.0	0.90	0.0
REFRIG EQUIPMENT	0.8	0.50	0.4
RECEPTACLES	8.2	10+0.5 Remain	8.2
AV	0.0	1.00	0.0
MISCELLANEOUS	15.0	0.50	7.5
TOTAL	28.9	N/A	18.6
A= 4.9	B= 12.0	C= 12.0	ΣΦ= 28.9	FLA= 80.1	

PANEL PK
LOCATION : OBSERVATION 520B

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