

2 SECURITY CURTAIN LAYOUT

A1101 Scale: 1/4" = 1'-0"

NOTES:

1. SEE DETAILS 13 AND 14/A3001 FOR CURTAIN TRACK ATTACHMENT

CUBICLE CURTAIN TAG

HEIGHT - SEE TABLE BELOW

WIDTH OF COVERAGE, IN FEET

EXAMPLE: CC104 = FULL HEIGHT <1>, 4' WIDE

CUBICLE CURTAIN (WRINKLE IS HOME POSITION)

CODE	HEIGHT
1	TO 4" A.F.F. (FULL)
2	NOT USED
3	TO 40" A.F.F. (HALF)

ROOM TAG

CLASSROOM

ROOM ID #

101

ACT

96"

(E) CEILING TYPE AT CUBICLE CURTAIN

(E) CEILING HEIGHT

CODE	TYPE
ACT-1	ACT IN SUSPENDED T-BAR
TRUSS	EXPOSED TRUSSES
GYP	GYPSUM HARD LID

* WIDTH OF COVERAGE LISTED IS ESTIMATED. CONTRACTOR TO CONFIRM TOTAL WIDTH OF CURTAIN AND TRACK AND CONFIGURATION BASED ON EXISTING CONDITIONS. SEE DETAIL 2 / A1101

CLIENT

WEST LINN WILSONVILLE SCHOOL DISTRICT

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No.	DESCRIPTION	DATE
1	BID & PERMIT SET	05-04-2020

CONSULTANTS

SEAL

REGISTERED ARCHITECT

4346

JAMES M. FITZPATRICK

State of Oregon

Signature of James M. Fitzpatrick

Date: 2020.05.04

Project No: 124743

PROJECT

BOONES FERRY PRIMARY SCHOOL SECURITY UPGRADES

11495 SW Wilsonville Rd
Wilsonville, OR 97070

PROJECT NO: 124743

WL BID PACK 19045.009

DRAWN BY: TK

CHECKED BY: JF

PROJECT MGR: TK

APPROVED BY: JF

SHEET TITLE

OVERALL FIRST FLOOR PLAN

SHEET NUMBER

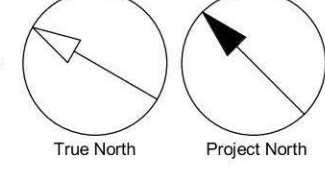
A1101

ISSUE

1

1 LEVEL 01 PLAN

A1101 Scale: 1/16" = 1'-0"

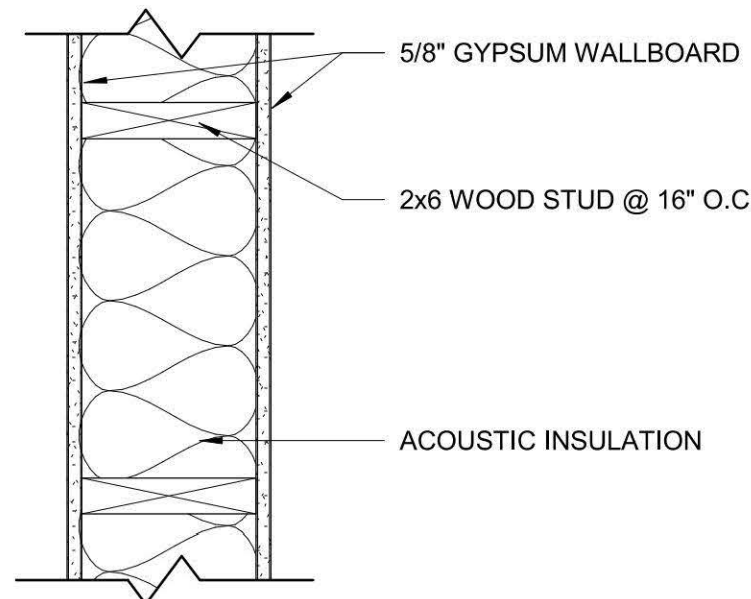


GENERAL PLAN NOTES:

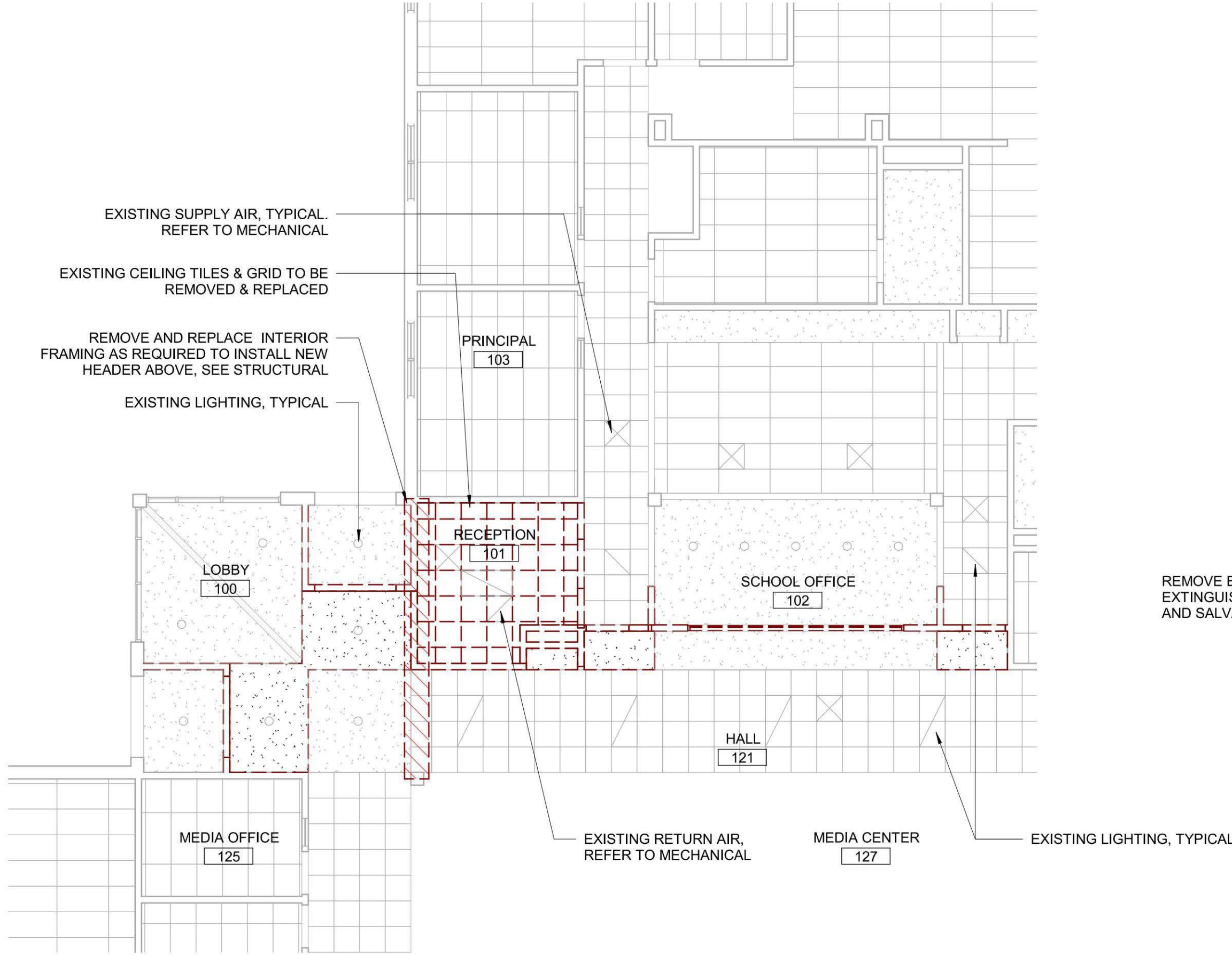
- DIMENSIONS SHOWN ARE TO FACE OF STUD, FACE OF MASONRY OR CENTERLINE OF COLUMN OR GRID LINE UNLESS NOTED OTHERWISE.
- DOORS NOT LOCATED BY DIMENSION ARE TO BE CENTERED IN WALLS AS SHOWN OR LOCATED 4 1/2" FROM FACE OF STUD TO FACE OF JAMB.
- NOTED WALL TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.
- DIMENSIONS AT GLAZING ASSEMBLIES ARE TO CENTER OF ASSEMBLY UNLESS NOTED OTHERWISE.
- USE DIMENSIONS SHOWN. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM DRAWINGS. CROSS CHECK DETAILS AND DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER DRAWINGS AS APPLICABLE. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- CONDITIONS AND DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION OF THE PROJECT.
- WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED ON THE WORK, ALL SUCH MATERIAL AND METHODS ARE TO MAINTAIN STANDARDS OF THE INDUSTRY AND, WHERE APPLICABLE, MANUFACTURER'S INSTRUCTIONS.
- LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
- ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
- PROVIDE ALL NECESSARY ANCHORAGE BLOCKING, BACKING, FRAMING FOR HANDRAILS, DOOR STOPS, CASEWORK, SHELVING, MIRRORS, WALL MOUNTED EQUIPMENT, AND ALL OTHER ITEMS AS REQUIRED FOR COMPLETE INSTALLATION.
- CONFIRM ALL ROUGH OPENING DIMENSIONS FOR DOORS AND WINDOWS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS NOTED OTHERWISE.
- PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS WHERE WALL RUNS PERPENDICULAR TO ROOF JOISTS. GYPSUM BOARD TO TERMINATE AT ROOF JOISTS.
- SEE DETAILS FOR DEFLECTION HEAD DETAILS.
- AT ALL LOCATIONS WHERE WALLS, CEILINGS, EQUIPMENT OR FINISHES HAVE BEEN REMOVED, REPAIR SERVICES TO ORIGINAL CONDITION.
- PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS. MOISTURE RESISTANT GYPSUM BOARD SHALL ALSO BE USED AT ALL KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.
- SEE INTERIOR ELEVATIONS FOR LOCATIONS AND EXTENTS OF APPLIED WALL FINISHES.
- SEE FINISH LEGEND FOR MATERIAL DESIGNATIONS.
- EXTEND FLOOR FINISHES UNDER TOEKICKS, OPEN COUNTERTOPS AND EQUIPMENT, TYPICAL.
- PROVIDE TRANSITION STRIPS WHERE UNLIKE MATERIALS MEET, TYPICAL.
- WHERE FLOOR FINISH CHANGES MATERIAL, PATTERN OR COLOR AT A DOOR, LOCATE TRANSITION UNDER CENTERLINE OF DOOR.

GENERAL DEMO NOTES:

- DEMOLITION DRAWINGS ARE DIAGRAMMATIC AND ARE TO ASSIST THE CONTRACTOR IN ESTABLISHING THE GENERAL SCOPE OF WORK. PROVIDE ALL DEMOLITION REQUIRED TO COMPLETE THE WORK AS INDICATED ON THE NEW CONSTRUCTION DRAWINGS AND AS SPECIFIED.
- NOTATIONS FOR SAW CUTTING CONCRETE SLABS ARE APPROXIMATE - VERIFY WITH STRUCTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND WITH FIELD CONDITIONS. PATCH AND POUR BACK ANY SAW CUT CONCRETE FOR TRENCHES OR ANY HOLES FROM DEMOLISHED WALLS, CONDUIT OR PLUMBING WITH NEW CONCRETE TO MATCH EXISTING. SEE STRUCTURAL FOR POUR BACK DETAIL INFORMATION.
- SEE MECHANICAL, PLUMBING, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
- WHERE DEMOLITION OR REMOVAL OF AN ITEM OCCURS, PATCH REMAINING WALLS, FLOORS AND CEILING TO MATCH EXISTING ADJACENT MATERIAL, COLOR AND FINISH, UNLESS OTHERWISE NOTED.
- REMOVE MATERIALS TO BE REINSTALLED OR RETAINED IN A MANNER TO PREVENT DAMAGE, STORE AND PROTECT.
- PRIOR TO SAWCUTTING ANY EXISTING CONCRETE FLOOR SLAB, PROVIDE FIELD ENGINEERING AND UTILITIES LOCATION SERVICES TO LOCATE ANY EXISTING ELECTRICAL, TELEPHONE, WATER, SANITARY SEWER OR STORM DRAIN LINES WITHIN THE AREA OF WORK.
- THE TERM "DEMO" INDICATES THAT THE ITEM BECOMES THE PROPERTY OF THE GENERAL CONTRACTOR FOR DISPOSAL.
- FOR ITEMS IN WORK AREAS NOT DESIGNATED EITHER "TO REMAIN" OR "BE REINSTALLED" ARE TO BE SALVAGED AND TURNED OVER TO THE OWNER.
- CONTRACTOR TO REMOVE ANY EXISTING DUCTS, PIPES, DEVICES THAT HAVE BEEN ABANDONED OR ARE NOT PART OF THE NEW BUILDING SYSTEM. PATCH AND REPAIR SURFACES TO MATCH ADJACENT SURFACES, TYPICAL.
- CAP WIRING AT ANY OUTLETS TO BE REMOVED.
- PANELS, SWITCHES, DEVICES IN WALLS TO BE DEMOLISHED ARE TO BE REMOVED PRIOR TO WALL REMOVAL. COORDINATE WITH ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- WHERE CEILING IS NOTED TO BE DEMOLISHED, REMOVE LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- FLOORING/SLAB TO BE PATCHED WHERE EXISTING PLUMBING FIXTURES ARE PERMANENTLY REMOVED. FLOOR SURFACE/FINISH SHOULD BE PREPARED TO RECEIVED SCHEDULED FLOORING.
- WHERE EXISTING CEILING AND CEILING GRID/TRIM ARE TO BE DEMOLISHED AND NO NEW CEILING INSTALLED, WALL ABOVE EXISTING CEILING LINE WILL BE PATCHED/REPAIRED AS A RESULT OF DEMOLITION. WALLS WILL BE CLEANED AND PAINTED P-1, UNLESS NOTED OTHERWISE.
- ASBESTOS-CONTAINING MATERIALS (ACM) HAVE NOT BEEN IDENTIFIED AT THIS SITE; HOWEVER SUSPECT ASBESTOS-CONTAINING MATERIALS MAY STILL BE PRESENT. IMMEDIATELY UPON DISCOVERY OF ANY SUSPECT ACM OR OTHER HAZARDOUS MATERIALS, STOP WORK AND DO NOT CARRY ON ANY ACTIVITY IN THAT AREA WHICH COULD DISTURB THE SUSPECTED ACM OR OTHER HAZARDOUS MATERIALS. NOTIFY THE ARCHITECT IMMEDIATELY. IN SUCH AN EVENT, THE ARCHITECT WILL EVALUATE CIRCUMSTANCES AND INSTRUCT CONTRACTOR ON HOW AND WHEN TO PROCEED. INSTRUCT WORKERS ON SITE TO BE ALERT FOR MATERIALS THAT MAY CONTAIN ASBESTOS OR OTHER HAZARDOUS MATERIALS, AND NOT TO DISTURB OR ATTEMPT TO REMOVE SUCH MATERIALS. TAKE PRECAUTIONS TO PREVENT SPREAD OF ASBESTOS FIBERS OR OTHER HAZARDOUS MATERIALS THROUGHOUT THE PROJECT. DO NOT BREAK UP OR ATTEMPT TO REMOVE FROM THE SITE ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS OR OTHER HAZARDOUS MATERIALS. ASBESTOS-CONTAINING MATERIALS OR OTHER HAZARDOUS MATERIALS CARRIED AROUND THE WORK AREA OR INTO THE EXISTING BUILDING(S) DUE TO THE CONTRACTOR'S CARELESSNESS OR FAILURE TO FOLLOW ABOVE PROCEDURAL PRECAUTIONS SHALL BE REMEDIATED AT THE CONTRACTOR'S EXPENSE.



6 WALL TYPE A1
A1501 Scale: 1 1/2" = 1'-0"



4 ENTRY RCP - DEMOLITION
A1501 Scale: 1/8" = 1'-0"

PLAN LEGEND

- EXISTING WALL ASSEMBLY TO REMAIN
- EXISTING WALL/CEILING ASSEMBLY TO BE REMOVED
- NEW ARCHITECTURAL WALL ASSEMBLY, WITH TAG
- NEW STOREFRONT ASSEMBLY
- NEW CASEWORK TO BE SUPPLIED BY CONTRACTOR

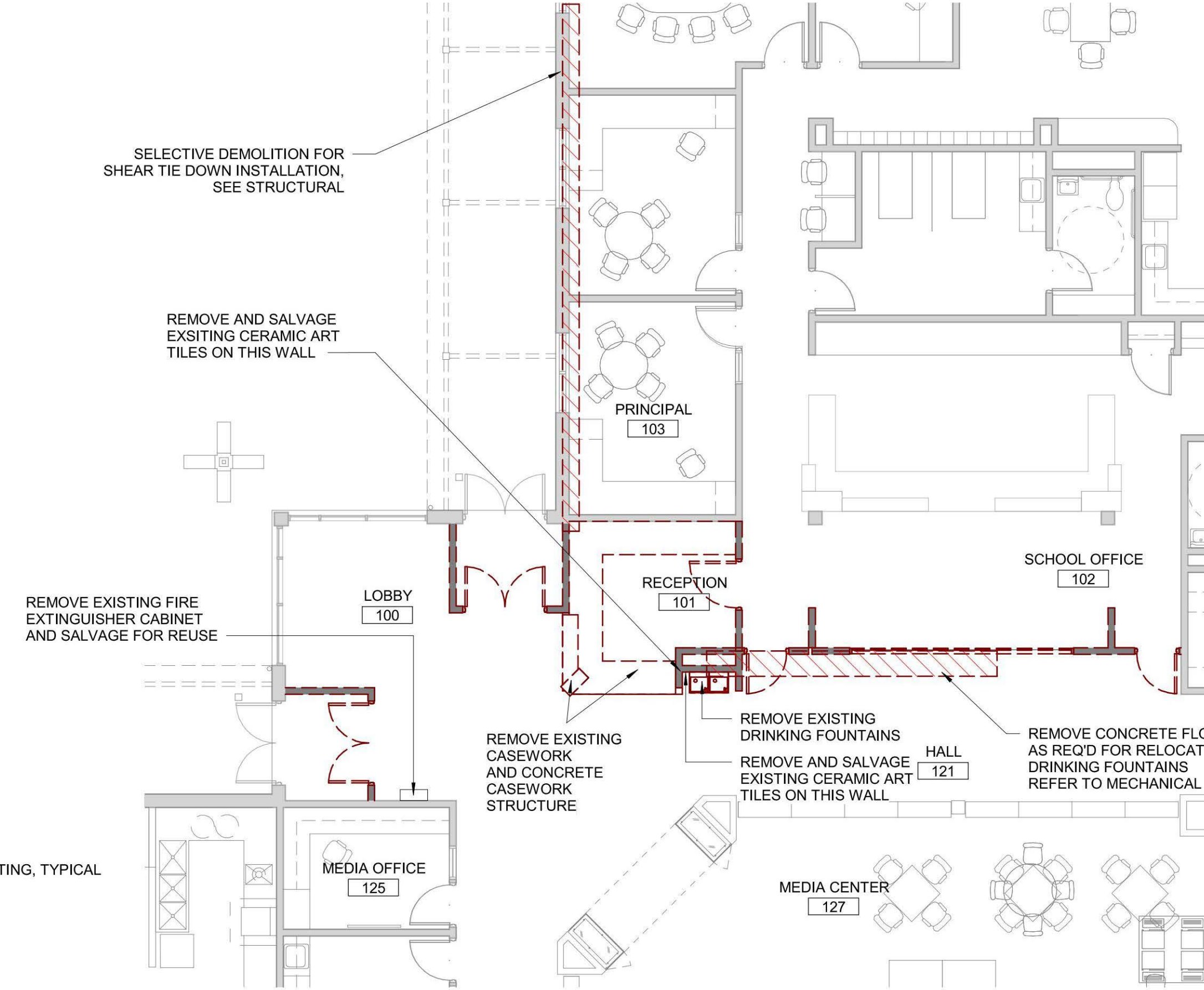
RCP LEGEND

- EXISTING ACT EXISTING 2x4 SUSPENDED ACOUSTIC CEILING TO REMAIN
- EXISTING ACT EXISTING 2x2 SUSPENDED ACOUSTIC CEILING TO REMAIN
- ACT1 2x2 SUSPENDED ACOUSTIC CEILING
- EXISTING GWB EXISTING GYPSUM CEILING TO REMAIN
- GWB1 GYPSUM CEILING

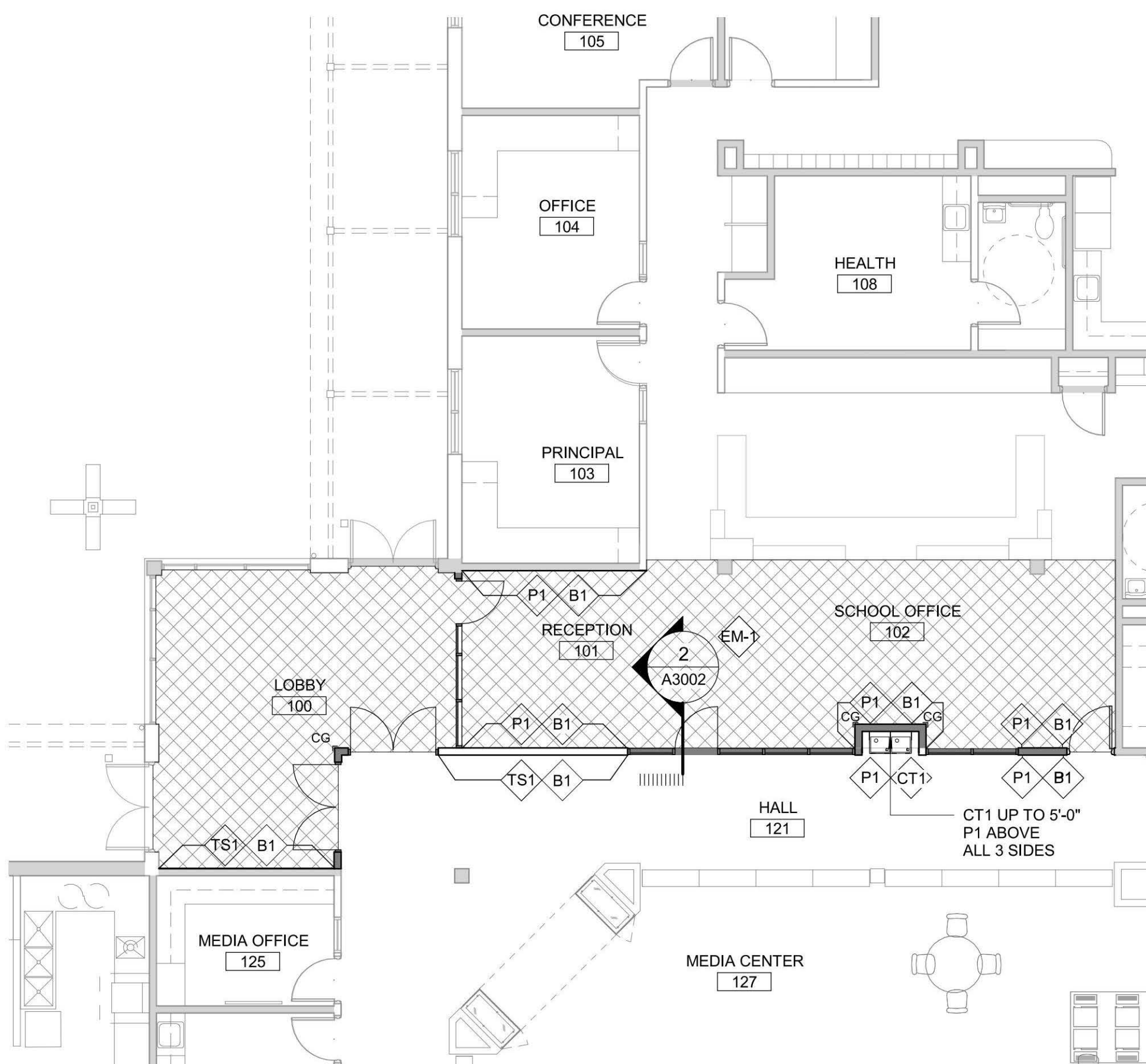
FINISHES LEGEND

- EXISTING EXISTING FLOOR FINISH TO REMAIN
- EM-1 ENTRY MAT
- R-1 RUBBER WALL BASE
- TS-1 TACKABLE SURFACE
- P-1 PAINT

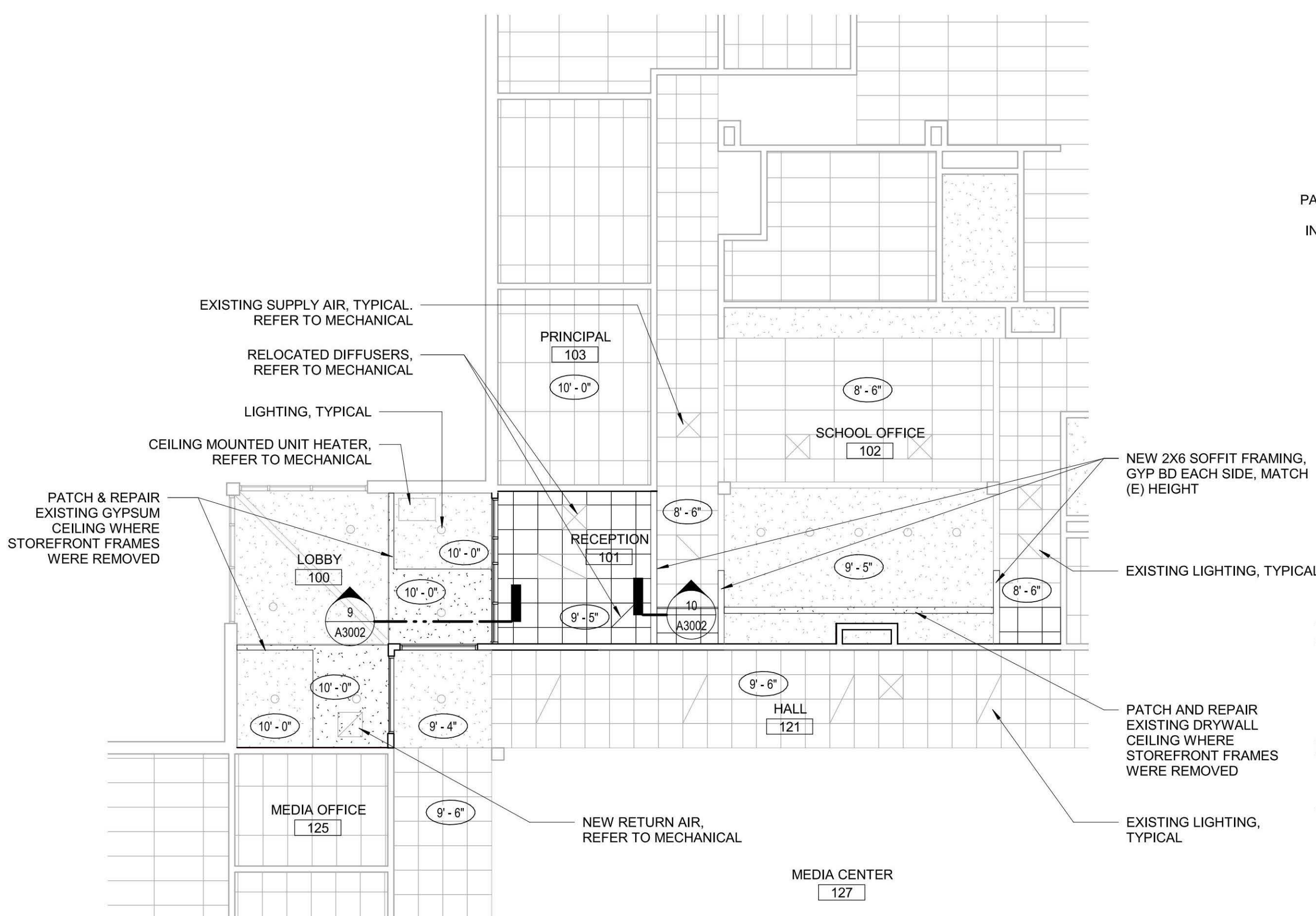
NOTE: REFER TO FINISH SPECIFICATIONS FOR ADDITIONAL INFORMATION ON FINISHES.



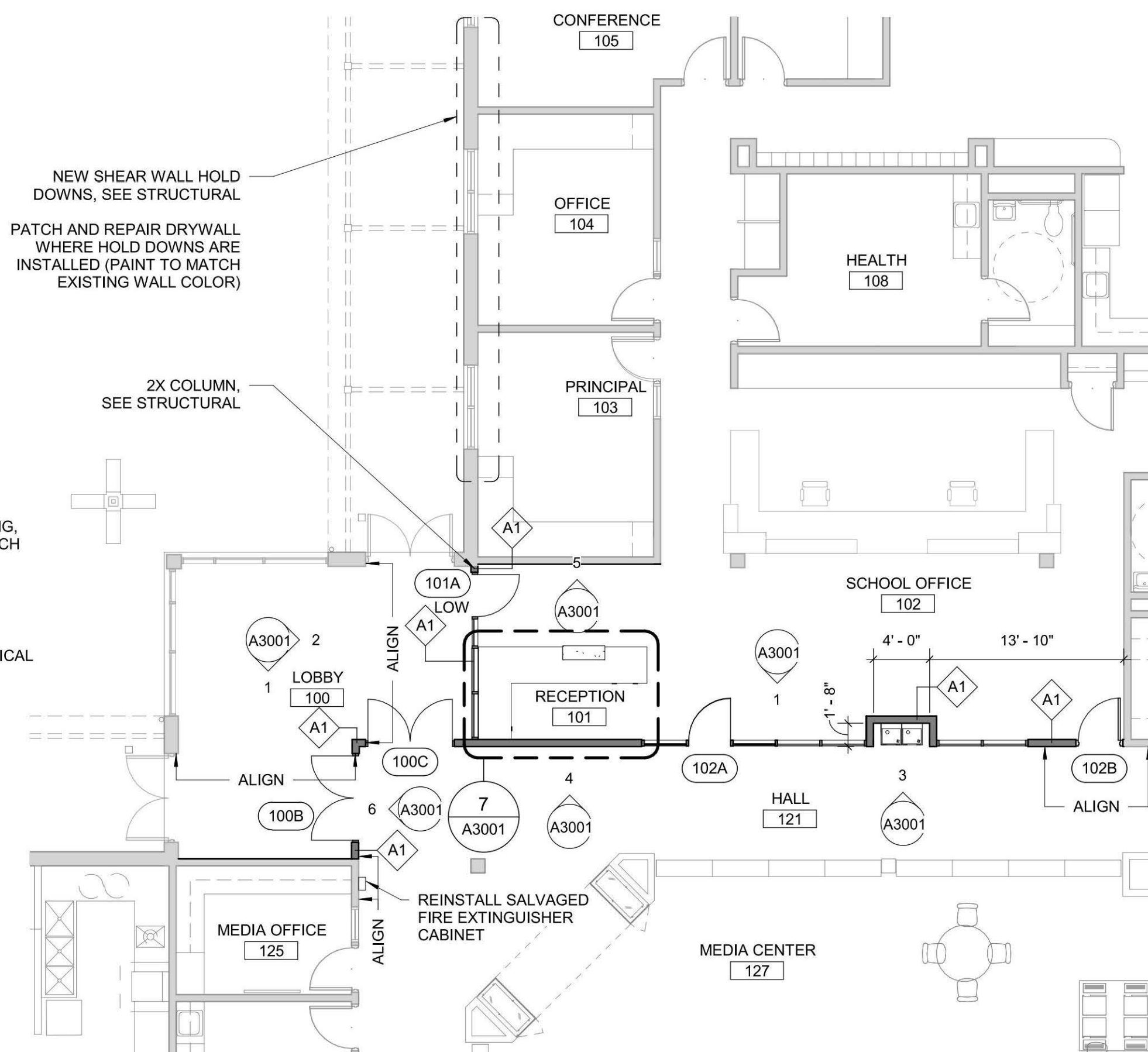
2 FLOOR PLAN - DEMOLITION
A1501 Scale: 1/8" = 1'-0"



5 FINISHES PLAN - NEW
A1501 Scale: 1/8" = 1'-0"



3 ENTRY RCP - NEW
A1501 Scale: 1/8" = 1'-0"



1 FLOOR PLAN - NEW
A1501 Scale: 1/8" = 1'-0"

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**WEST LINN
WILSONVILLE SCHOOL
DISTRICT**

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ISSUES

No.	DESCRIPTION	DATE
1	BID & PERMIT SET	05-04-2020

CONSULTANTS

SEAL



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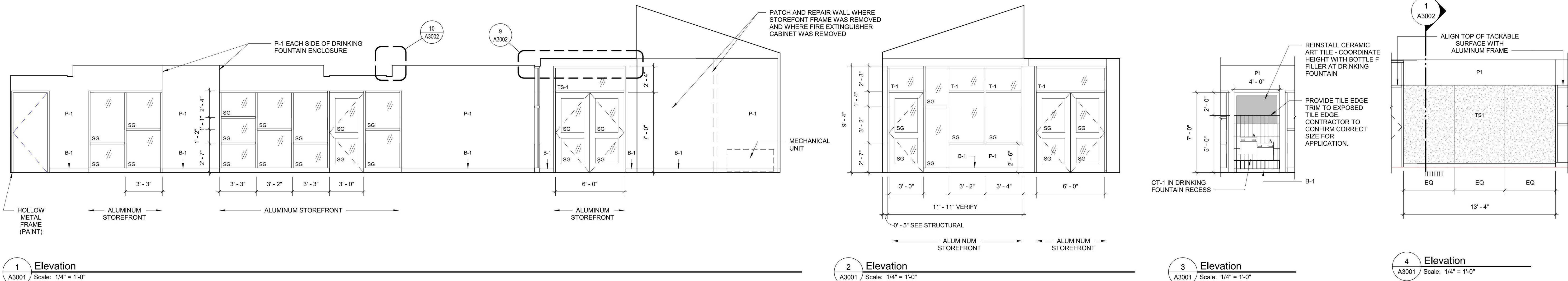
PROJECT
**BOONES FERRY PRIMARY
SCHOOL
SECURITY UPGRADES**
11495 SW Wilsonville Rd
Wilsonville, OR 97070

PROJECT NO: 124743
DRAWN BY: TK
PROJECT MGR: TK
SHEET TITLE
ENTRY PLANS, RCPs AND FINISH PLAN

WL BID PACK 19045.009
CHECKED BY: JF
APPROVED BY: JF

SHEET NUMBER
A1501

ISSUE

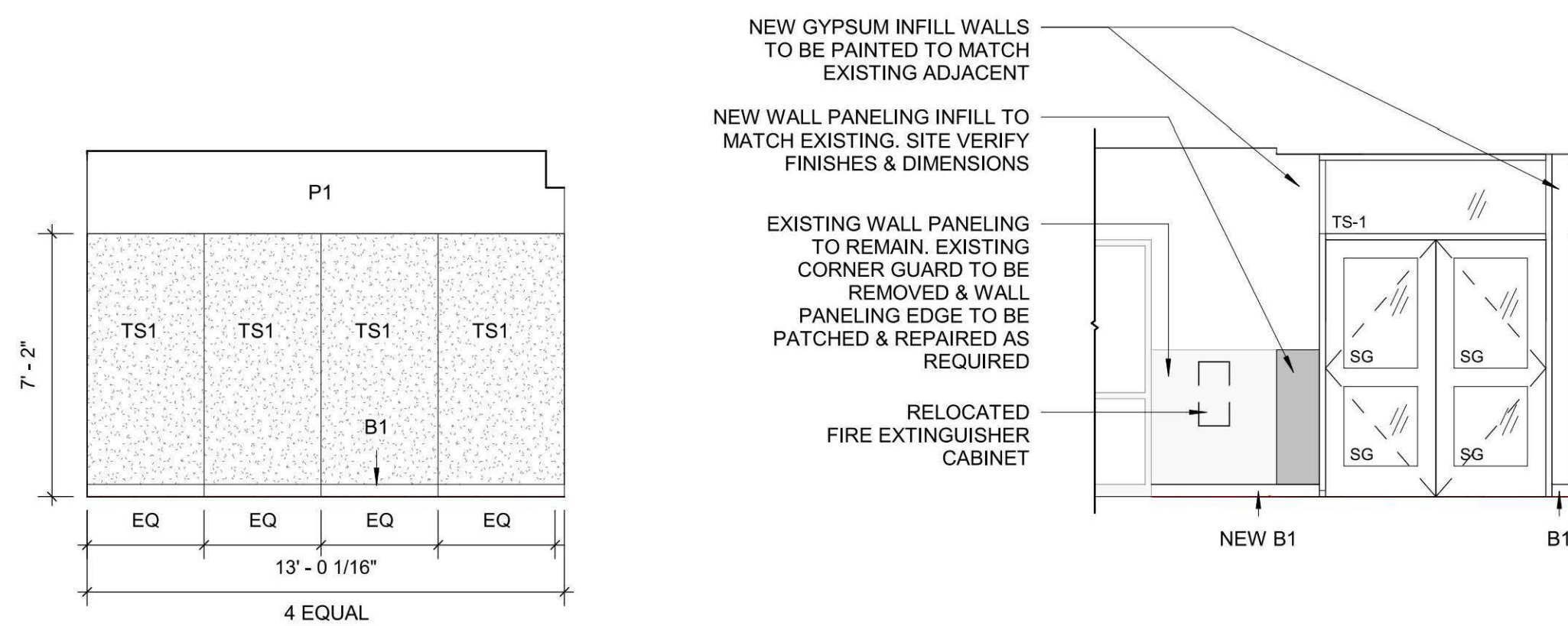


1 Elevation A3001 Scale: 1/4" = 1'-0"

2 Elevation A3001 Scale: 1/4" = 1'-0"

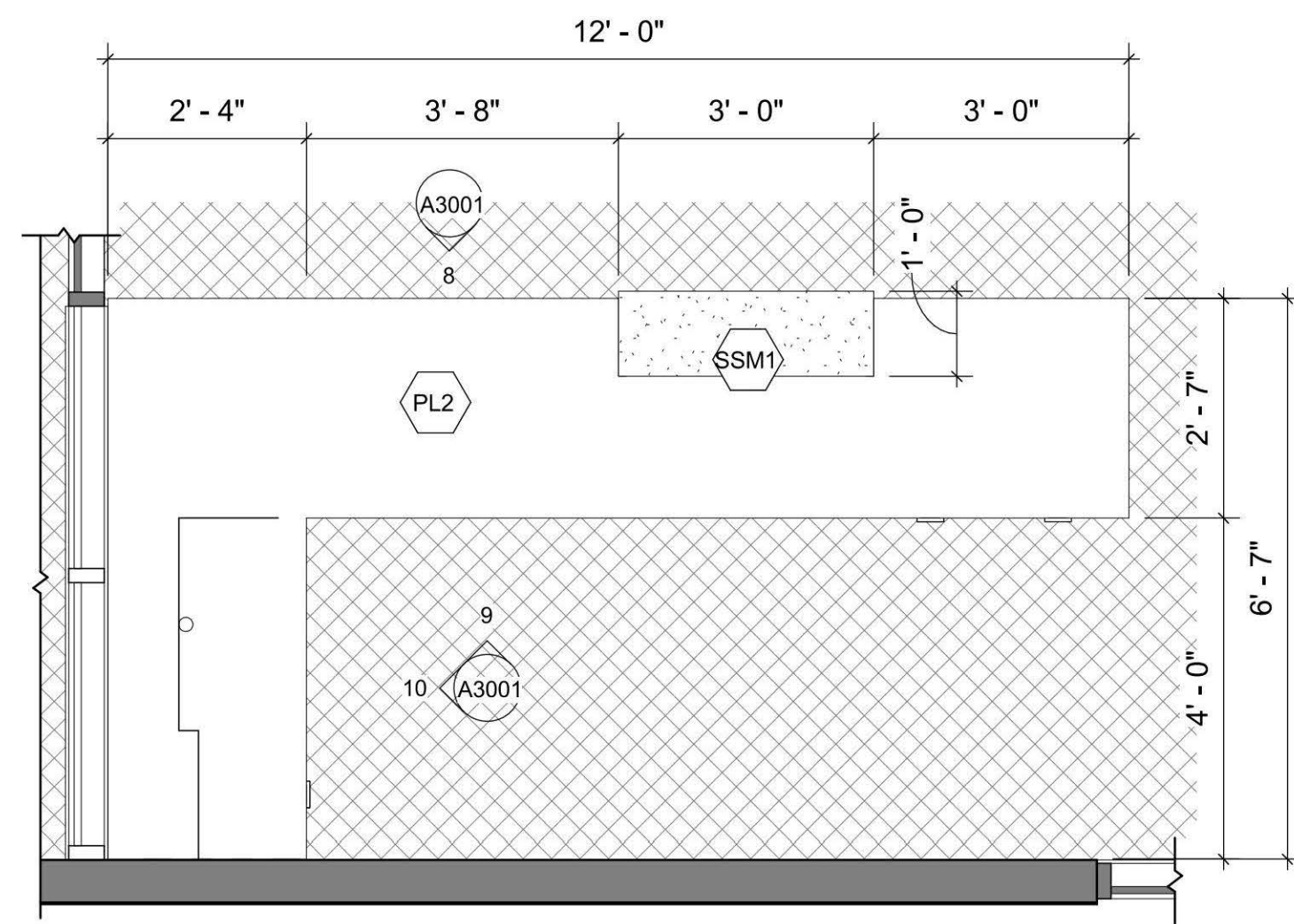
3 Elevation A3001 Scale: 1/4" = 1'-0"

4 Elevation A3001 Scale: 1/4" = 1'-0"

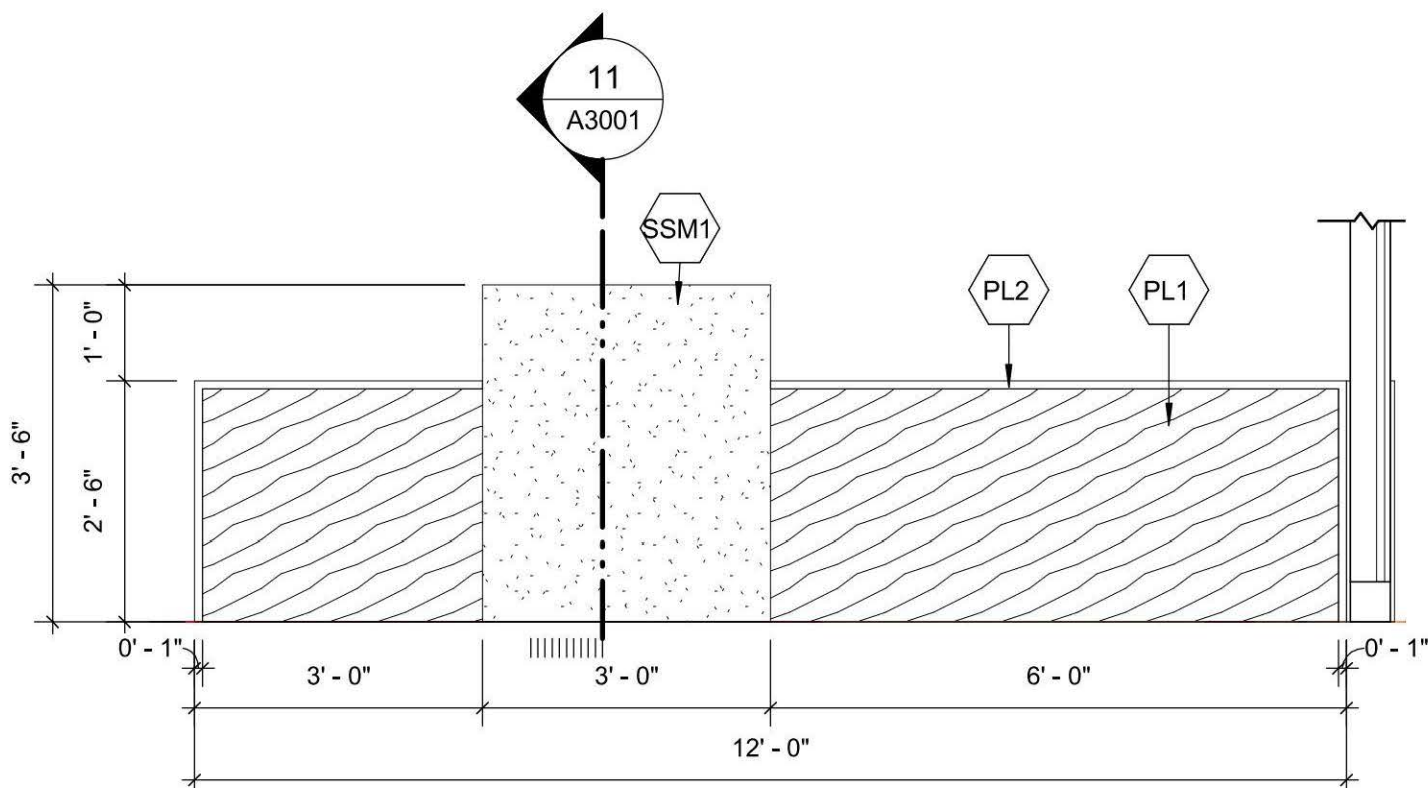


5 Elevation A3001 Scale: 1/4" = 1'-0"

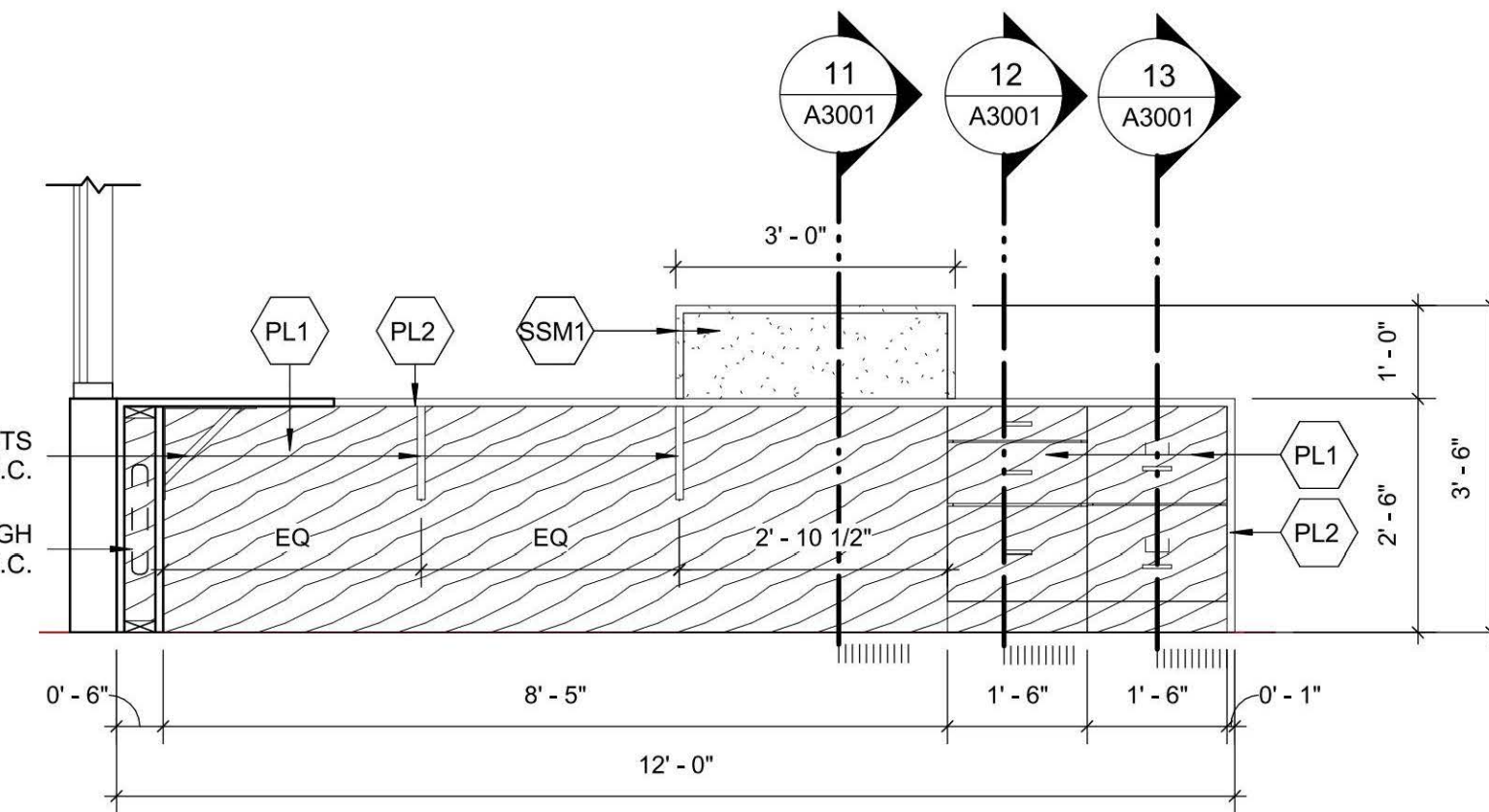
6 Elevation A3001 Scale: 1/4" = 1'-0"



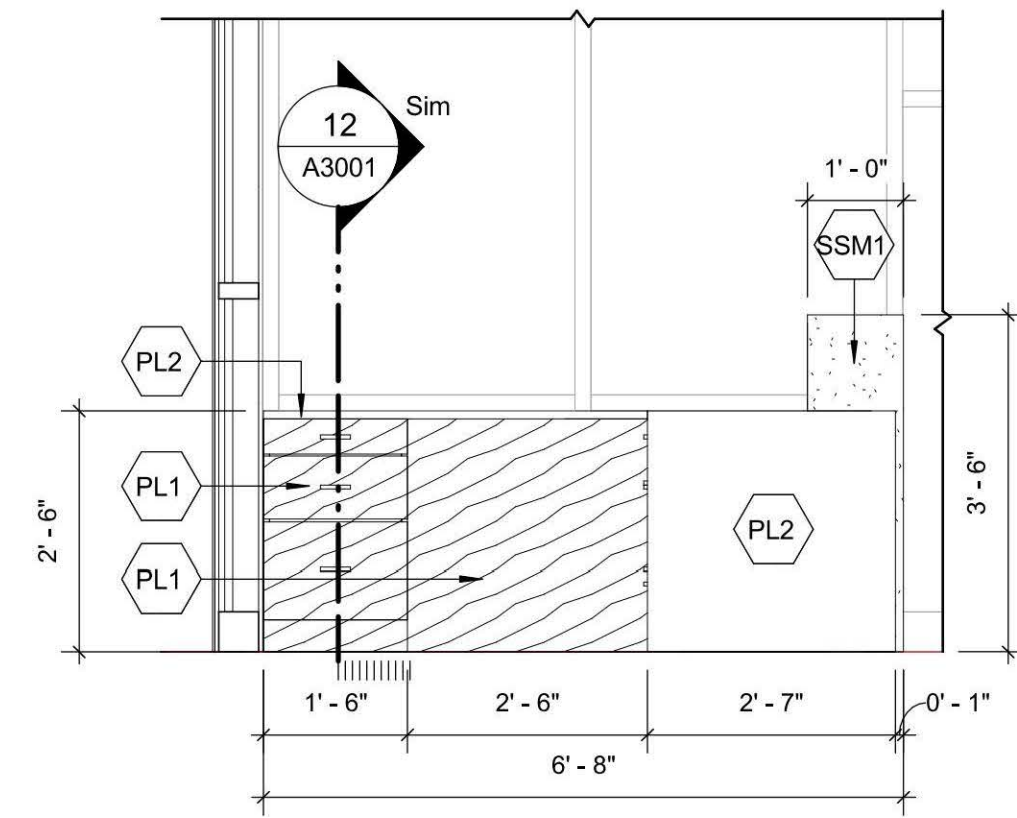
7 ADMIN RECEPTION DESK PLAN A3001 Scale: 1/2" = 1'-0"



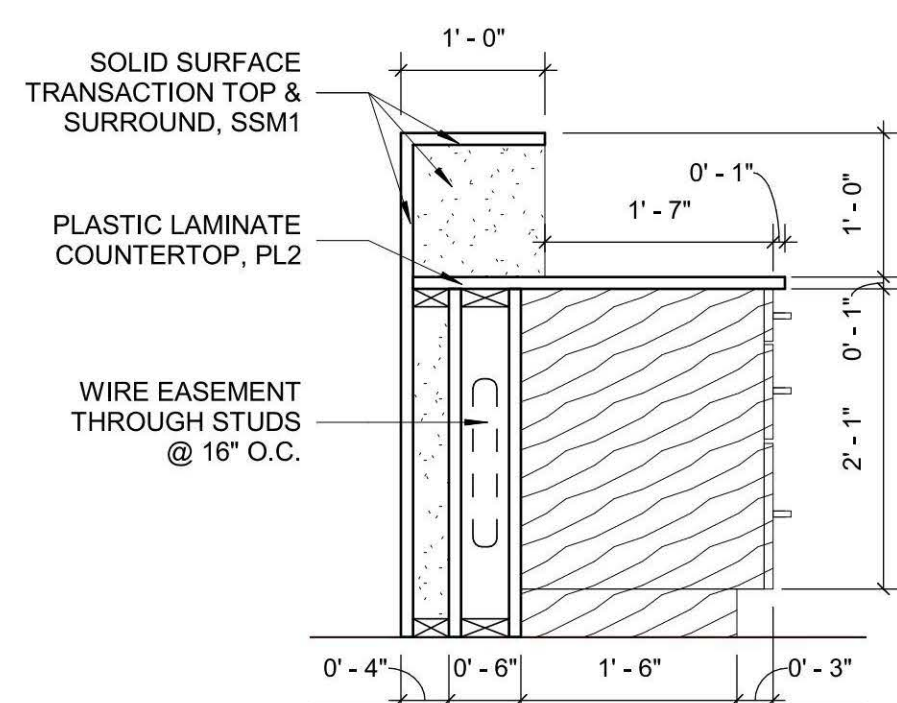
8 ADMIN RECEPTION DESK - FRONT A3001 Scale: 1/2" = 1'-0"



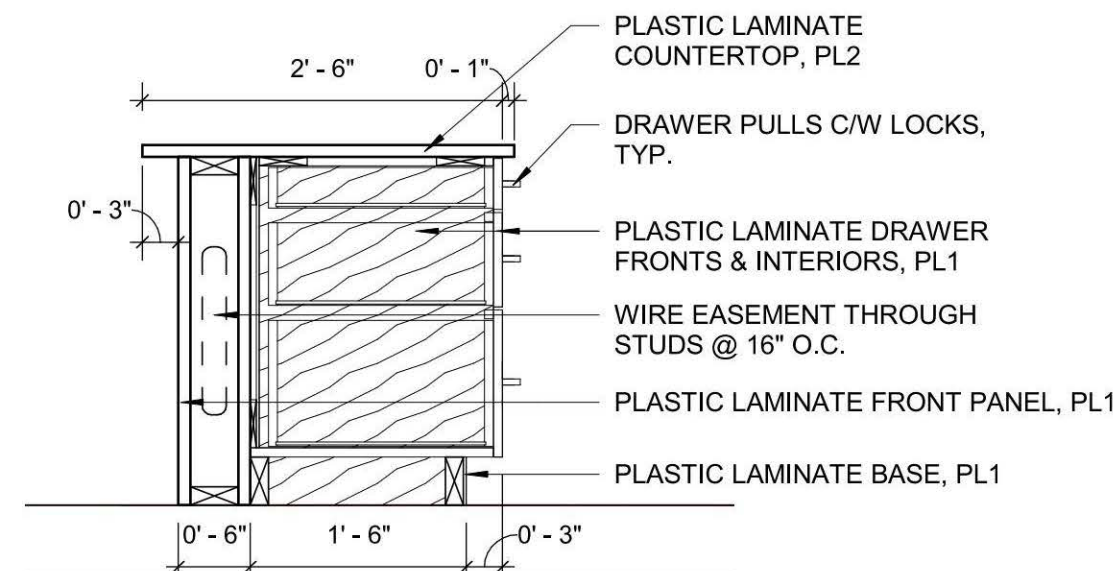
9 ADMIN RECEPTION DESK - BACK A3001 Scale: 1/2" = 1'-0"



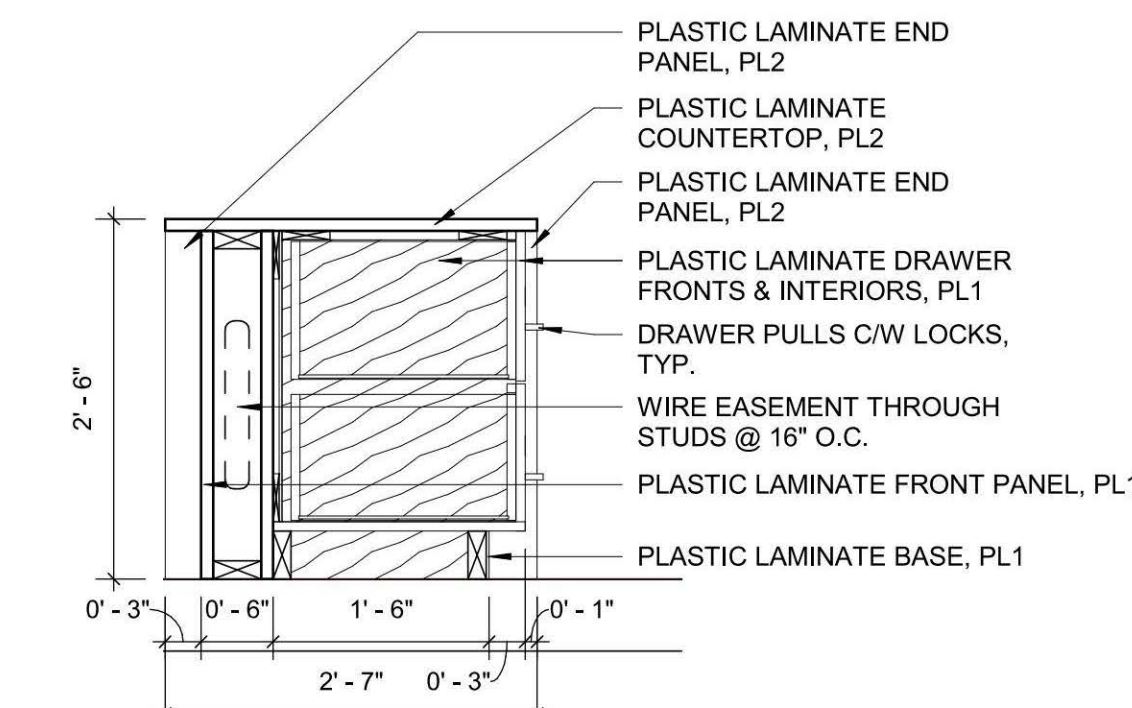
10 ADMIN RECEPTION DESK - SIDE A3001 Scale: 1/2" = 1'-0"



11 RECEPTION DESK SECTION A3001 Scale: 3/4" = 1'-0"



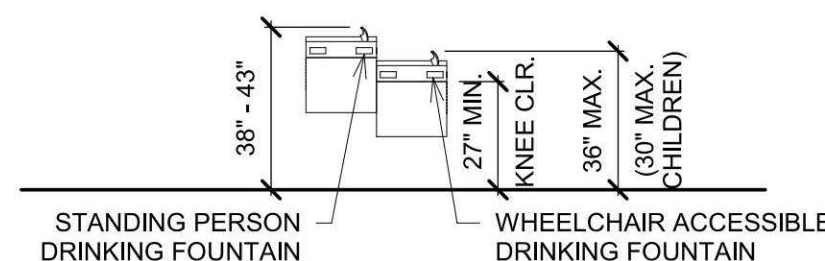
12 RECEPTION DESK SECTION A3001 Scale: 3/4" = 1'-0"



13 RECEPTION DESK SECTION A3001 Scale: 3/4" = 1'-0"

GENERAL NOTES:

- 1 MATERIALS WHICH ARE IN SIMILAR LOCATIONS ARE NOT NOTED AT EVERY OCCURRENCE.
- 2 SEE FINISH FLOOR PLANS, REFLECTED CEILING PLANS, INTERIOR ELEVATIONS AND FINISH LEGEND FOR ADDITIONAL FINISH INFORMATION.
- 3 DOOR SWINGS SHOWN ON ELEVATIONS ARE FOR REFERENCE ONLY - SEE FLOOR PLANS.
- 4 SEE DOOR, FRAME AND RELITE SCHEDULE FOR H.M. DOOR AND FRAME FINISHES.
- 5 ALL NEW WALLS NOT LABELED OR ELEVATED TO BE PAINTED P-1, UNLESS NOTED OTHERWISE.
- 6 MECHANICAL GRILLES AND ACCESS PANELS IN WALLS SHALL MATCH THE COLOR OF ADJACENT WALL WHERE LOCATED, UNLESS NOTED OTHERWISE.
- 7 PROVIDE BACKING AT WALL MOUNTED ITEMS.
- 8 MATCH MOUNTING HEIGHTS OF EXISTING ITEMS TO BE REINSTALLED, UNLESS NOTED OTHERWISE.



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ISSUES	DESCRIPTION	DATE
1	BID & PERMIT SET	05-04-2020

CONSULTANTS

SEAL

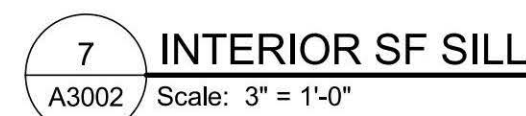


PROJECT
**BOONES FERRY PRIMARY
SCHOOL
SECURITY UPGRADES**
11495 SW Wilsonville Rd
Wilsonville, OR 97070

PROJECT NO: 124743
WL BID PACK 19045.009
DRAWN BY: TK
CHECKED BY: JF
PROJECT MGR: TK
APPROVED BY: JF

SHEET TITLE
**ENTRY ELEVATIONS AND
CASEWORK**

SHEET NUMBER
A3001
ISSUE



EXISTING DOOR SCHEDULE					
No.	Door Type	Frame Type	Fire Rating (minutes)	Hardware	Comments
LEVEL 01					
113B	(E)	(E)	NA	01	1..2.
116A	(E)	(E)	(E)	02	1..2.
120A	(E)	(E)	(E)	01	1.
130A	(E)	(E)	(E)	01	1.
132A	(E)	(E)	(E)	02	1..2.
133A	(E)	(E)	(E)	01	1.
138A	(E)	(E)	(E)	01	1.
301A	(E)	(E)	(E)	01	1.
302A	(E)	(E)	(E)	01	1.
303A	(E)	(E)	(E)	01	1.
304A	(E)	(E)	(E)	01	1.
401A	(E)	(E)	(E)	01	1.
402A	(E)	(E)	(E)	01	1.
403A	(E)	(E)	(E)	01	1.
404A	(E)	(E)	(E)	01	1.
501A	(E)	(E)	(E)	01	1.
502A	(E)	(E)	(E)	01	1.
503A	(E)	(E)	(E)	01	1.
504A	(E)	(E)	(E)	01	1.
601A	(E)	(E)	(E)	01	1.
602A	(E)	(E)	(E)	01	1.
603A	(E)	(E)	(E)	01	1.
604A	(E)	(E)	(E)	01	1.
801A	(E)	(E)	(E)	01	1.
802A	(E)	(E)	(E)	01	1.
803A	(E)	(E)	(E)	01	1.
804A	(E)	(E)	(E)	01	1.
901A	(E)	(E)	(E)	01	1.
902A	(E)	(E)	(E)	01	1.
903A	(E)	(E)	(E)	01	1.
904A	(E)	(E)	(E)	01	1.
1001A	(E)	(E)	(E)	01	1.
1002A	(E)	(E)	(E)	01	1.
1003A	(E)	(E)	(E)	01	1.
1004A	(E)	(E)	(E)	01	1.
1101A	(E)	(E)	(E)	01	1.
1102A	(E)	(E)	(E)	01	1.
1103A	(E)	(E)	(E)	01	1.
1104A	(E)	(E)	(E)	01	1.

NOTES:

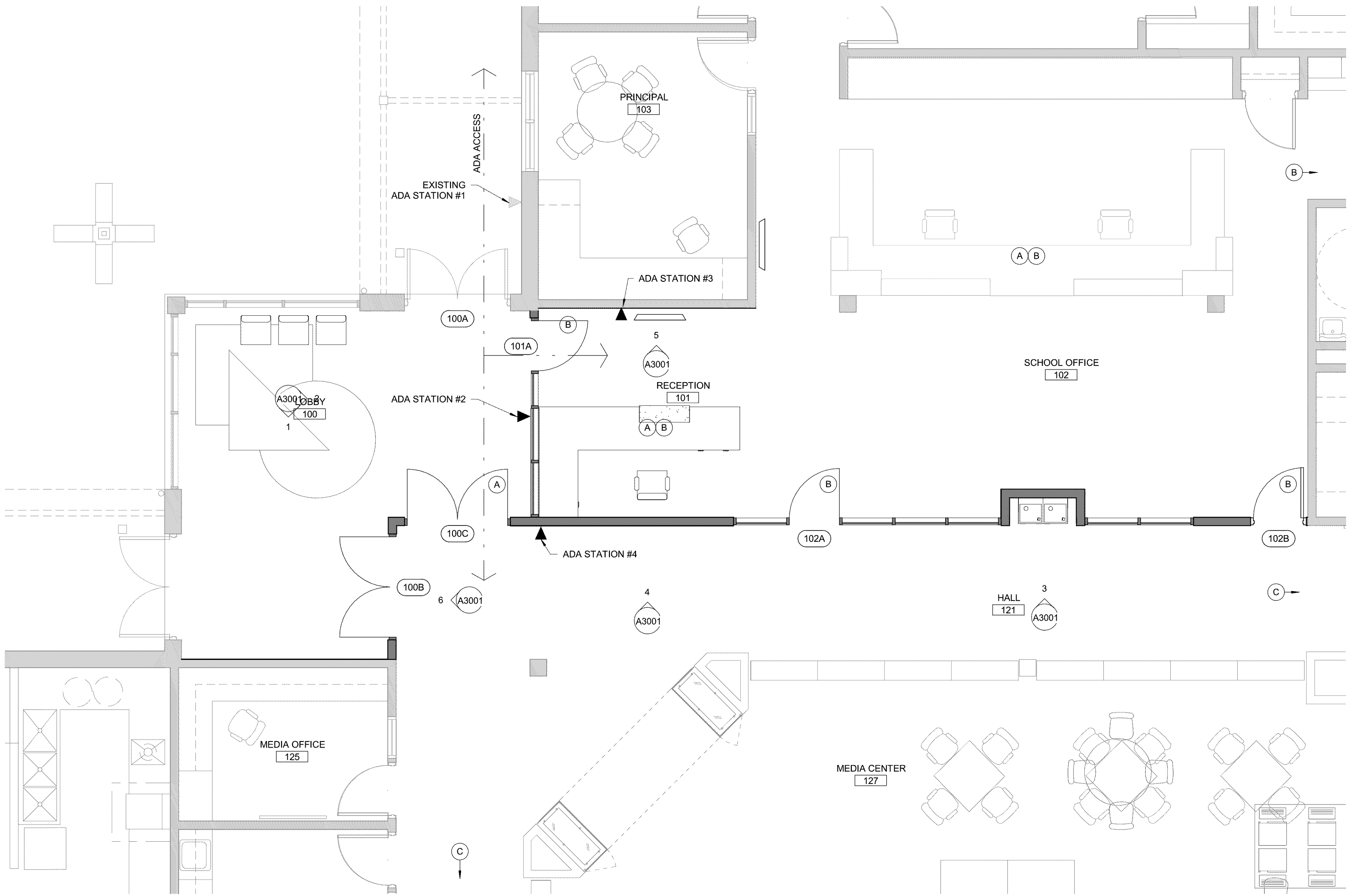
- EXISTING DOOR AND FRAME TO REMAIN "AS IS" EXCEPT FOR NEW HARDWARE. SIZE SHOWN FOR FOR CLARITY ONLY.
- NOT USED

#	LOCATION	DOORS
1	EXTERIOR	A100A and A101A
2	LOBBY	A100A, A101A and A100C
3	RECEPTION	A101A
4	LOBBY/HALLWAY	A100C

SECURITY BUTTONS - LOCATED AT RECEPTION	
SECURITY BUTTON A	RELEASE OF 100C
SECURITY BUTTON B	RELEASE OF 101A, 102A

1 SECURITY KEY
A9201 Scale: 1/8" = 1'-0"

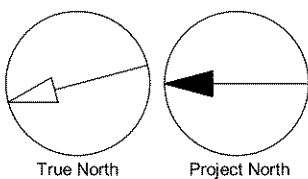
NEW DOOR SCHEDULE															
No.	Location	Door							Relite	Frame			Fire Rating (minutes)	Hardware	Comments
		Width	Pair	Height	Thickness	Type	Material	Finish		Type	Material	Finish			
LEVEL 01															
100B	LOBBY	6' - 0"	YES	7' - 0"		C	AL		Y	STOREFRONT	AL		NA	03	
100C	LOBBY	6' - 0"	YES	7' - 0"		C	AL		Y	STOREFRONT	AL		NA	04	ADA OPENER, ONE LEAF
101A	RECEPTION	3' - 0"	NO	7' - 0"		C	AL		Y	STOREFRONT	AL		NA	05	ADA OPENER
102A	RECEPTION	3' - 0"	NO	7' - 0"		C	AL		Y	STOREFRONT	AL		NA	06	2.
102B	RECEPTION	3' - 0"	NO	7' - 0"	0' - 2"	(E)	(E)	(E)	N	(E)	HM	P-2	NA	06	REINSTALL (E) DOOR WITH NEW HARDWARE



2 ENLARGED ENTRY SECURITY PLAN
A9201 Scale: 1/4" = 1'-0"

NOTES:

- ALL SECURITY GLAZING TO EXTEND 7" A.F.G.
- ALL STOREFRONT FRAME COLOR AND FINISH TO MATCH EXISTING
- VERIFY IN FIELD ALL ROUGH OPENINGS.



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CONSULTANTS

SEAL



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DRAWN BY: TK	CHECKED BY: JF
PROJECT MGR: TK	APPROVED BY: JF

SHEET TITLE
**DOOR SCHEDULE, TYPES &
SECURITY PLANS**

SHEET NUMBER
A9201

ISSUE

WEST LINN WILSONVILLE SCHOOL DISTRICT

BOONES FERRY PRIMARY SCHOOL

SAFETY & SECURITY GROUP 1A

WL BID PACK 19045.009

11495 SW Wilsonville Rd
Wilsonville, OR 97070

PROJECT DESCRIPTION

THERE ARE THREE DISTINCT PORTIONS OF WORK, ALL RELATED TO UPGRADING STUDENT AND STAFF SAFETY:

1. REMODEL MAIN ENTRY AND RECEPTION AREA TO PROVIDE SECURE VESTIBULE AND CONTROLLED ENTRY SEQUENCE FOR VISITORS. THIS INCLUDES DOOR HARDWARE WITH LOW-VOLTAGE CONTROLS AND INSTALLATION OF IMPACT RESISTANT GLAZING.
2. INSTALLATION OF REMOTELY TRIGGERED LOCKDOWN DOOR HARDWARE AT SELECT DOORS, PRIMARILY AT CLASSROOM AND OTHER STUDENT-OCCUPIED ROOMS.
3. INSTALLATION OF OPAQUE CUBICLE CURTAINS AT INTERIOR WINDOWS OF CLASSROOM AND OTHER STUDENT-OCCUPIED ROOMS.

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A1501	ENTRY PLANS, RCPS AND FINISH PLAN
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A3002	INTERIOR DETAILS
A9201	DOOR SCHEDULE, TYPES & SECURITY PLANS
Structural	
S0001	COVER SHEET
S1501	FLOOR PLAN AND DETAILS
Mechanical	
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T1501	ENTRY PLANS - TECHNOLOGY
T1601	DETAILS - TECHNOLOGY

VICINITY MAP:



DELEGATED DESIGN

Delegated Design components include, but are not limited to the following:

1. Aluminum Storefront, Section 08 43 13 - Aluminum-Framed Storefronts.
2. Seismic Anchorage for Suspended Acoustical Ceilings, Section 09 51 00 - Suspended Acoustical Ceilings.

WEST LINN
WILSONVILLE SCHOOL
DISTRICT



2455 COUNTRY CLUB ROAD
LAKE OSWEGO, OR 97034

ISSUES		
No.	DESCRIPTION	DATE
1	BID & PERMIT SET	05-04-2020

BOONES FERRY PRIMARY SCHOOL
SAFETY & SECURITY GROUP 1A
WL BID PACK 19045.009
11495 SW Wilsonville Road
Wilsonville, OR 97070

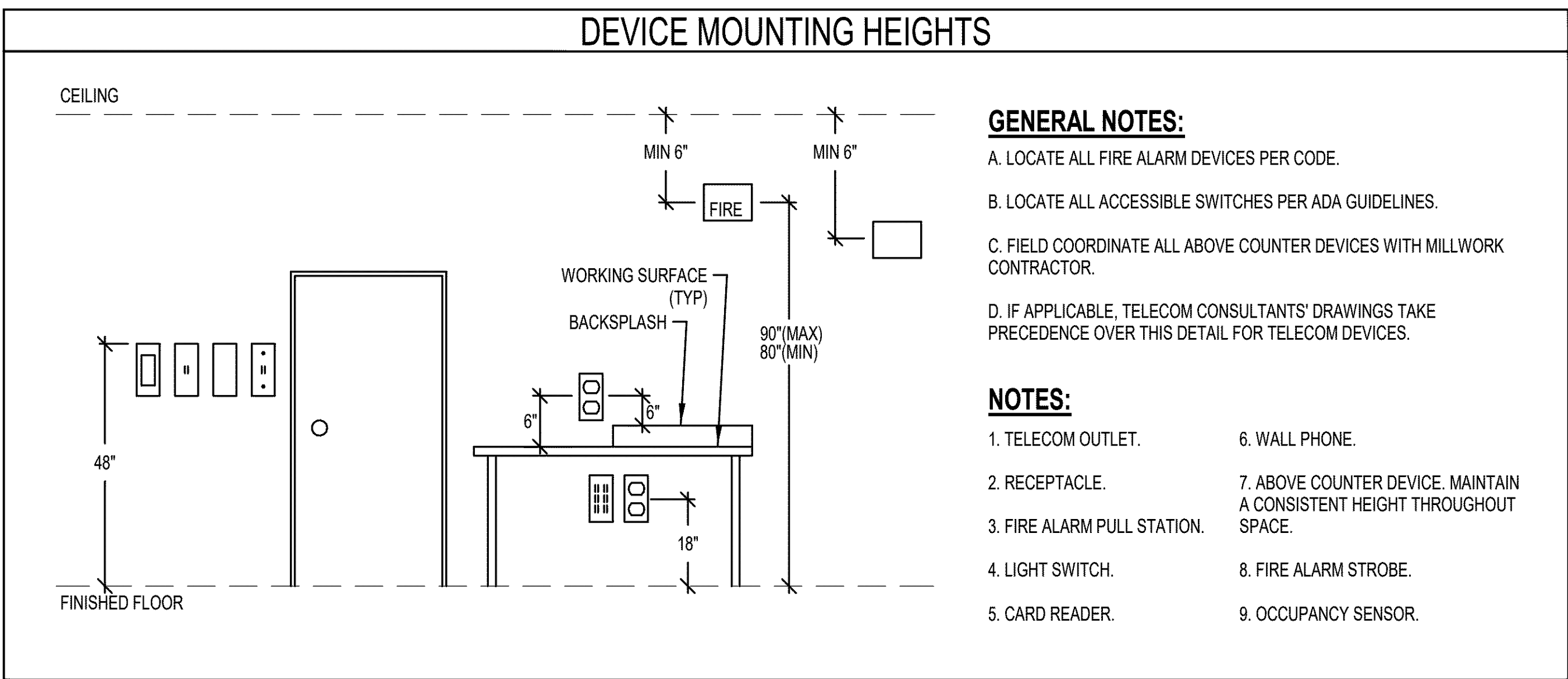
Room & Unit Tags	Door Tag	Section Marker	Elevation Datum Marker
Room Name 101 sf Room Name (150.00 sf) Room Name [10101] USABLE:1500 sf Room Name [10101]	101 Window Tag 101 Keynote Tag ? ? ? ? ? ?	Ref 1 A101 Ref 1 A101 Ref 1 A101 Ref 1 A101 Elevation Marker 1 A000 1 A000 Grid XX North Arrow True North Project North	Level -00' 00" Level -00' 00" DEFAULT(TYPED) Level -00' 00" GEODETTIC 20' 0" (TYPED) Titelmark 1 View Name A101 Scale: 1/8" = 1'-0" 1 View Name A101 Scale: NTS Revision Tags X Photo Reference Tags [101]
Wall Tags W? W? W? W? W? Description F? F? F? F? Ceiling Tags C? C? C? C? Roof Tags R? R? R? R? Finish Tags ? ?	Furniture Tag XX XX Family Name Electrical Tags XX XX Mechanical Tags XX Plumbing Tag XX Equipment Tag XX Stair Tags XX 20R @ 1' - 0"		

& ANGLE AB AND ACT ANCHOR BOLT DS ACOUSTICAL CEILING TILE ADD ADDENDUM AESS ARCHITECTURAL EXPOSED STRUCTURAL STEEL AFF ABOVE FINISH FLOOR ALS AREA LIGHT STANDARD ALUM ALUMINUM ANOD ANODIZED BD BOARD BLDG BUILDING BLKG BLOCKING BM BENCH MARK BOT BOTTOM BTWN BETWEEN C CHANNEL CB CATCH BASIN CCTV CLOSED CIRCUIT TELEVISION CG CORNER GUARD CIP CAST IN PLACE CONCRETE CJ CONTROL JOINT CL CENTERLINE CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT CONT CONTINUOUS CORR CORRIDOR CR CLASSROOM CSJ CONSTRUCTION JOINT CSMT CASEMENT CT CERAMIC TILE CTR CENTER DBL DOUBLE DF DRINKING FOUNTAIN DIAG DIAGONAL DIM DIMENSION DISP DISPENSER	DN DOWN DP DAMPROOFING DR DOOR DS DOWNSPOUT DTL DETAIL DWG DRAWING E EXISTING EA EACH EF EXHAUST FAN EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRICAL ENGR ENGINEER EOS EDGE OF SLAB EQ EQUAL EQUIP EQUIPMENT ES EACH SIDE EW EACH WAY EXP EXPANSION EXT EXTERIOR FA FIRE ALARM FD FLOOR DRAIN FND FOUNDATION FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FECB FIRE EXTINGUISHER CABINET WITH BLANKET FF FINISH FLOOR FIN FINISH FL FLOOR FO FACE OF FOC FACE OF CONCRETE FOF FACE OF FINISH FOM FACE OF MASONRY FOS FACE OF STUD FRT FIRE RETARDANT TREATED FTG FOOTING FURR FURRING GA GAUGE	GALV GALVANIZED GB GRAB BAR GC GENERAL CONTRACTOR GL GLASS GND GROUND GVP GYPSUM VENEER PLASTER GWB GYPSUM WALL BOARD HB HOSE BIBB HC HANDICAP HM HOLLOW METAL HPC HIGH PERFORMANCE COATING HVAC HEATING, VENTILATION, AND AIR CONDITIONING HW HOT WATER INSUL INSULATION INT INTERIOR JAN JANITOR JST JOIST JT JOINT L LENGTH LAV LAVATORY LB LAG BOLT LKR LOCKER LS LANDSCAPING LVR LOUVER MATL MATERIAL MAX MAXIMUM MB MARKERBOARD MECH MECHANICAL MED MEDIUM MEZZ MEZZANINE MFR MANUFACTURER MIN MINIMUM MIR MIRROR MISC MISCELLANEOUS MTD MOUNTED MTL METAL N NEW NA NOT APPLICABLE	NIC NOT IN CONTRACT NOM NOMINAL NS NELSON STUD NTS NOT TO SCALE OA OVERALL OC ON CENTER OD OUTSIDE DIAMETER OD OVERFLOW DRAIN OFCI OWNER FURNISHED CONTRACTOR INSTALLED OFOI OWNER FURNISHED OWNER INSTALLED OH OVERHEAD OPNG OPENING OPP OPPOSITE OS OUTSIDE PL PROPERTY LINE PLAS PLASTER PLYWD PLYWOOD PSF PER SQUARE FOOT PT PRESSURE TREATED P/MT PAVEMENT R RADIUS RCP REFLECTED CEILING PLAN RD ROOF DRAIN REF REFERENCE REFR REFRIGERATOR REQD REQUIRED REV REVISE OR REVISION RM ROOM RO ROUGH OPENING SAHTS SELF-ADHERED HIGH TEMPERATURE SHEET SAM SELF-ADHERED MEMBRANE SC SOLID CORE SECT SECTION SF SQUARE FOOT SHT SHEET SHTG SHEATHING SHWR SHOWER SIM SIMILAR	SJ SEISMIC JOINT SM SHEET METAL SQ SQUARE SS STAINLESS STEEL STD STANDARD STL STEEL STOR STORAGE STRUCT STRUCTURAL SUSP SUSPENDED T TEMPERED GLAZING T&G TONGUE AND GROOVE T/M TO MATCH TC TOP OF CURB TEL TELEPHONE THK THICK TJ TOOL JOINT TO TOP OF TOD TOP OF DECK TOS TOP OF STRUCTURE TOS TOP OF STRUCTURE TP TOILET PAPER TS TUBE STEEL TYP TYPICAL UNFIN UNFINISHED UNO UNLESS NOTED OTHERWISE VB VAPOR BARRIER VERT VERTICAL VEST VESTIBULE VIFY VERIFY W/ WITH W/O WITHOUT WC WATER CLOSET WD WOOD WF WIDE FLANGE WH WATER HEATER WP WATERPROOFING WRB WATER-RESISTIVE BARRIER WT WEIGHT
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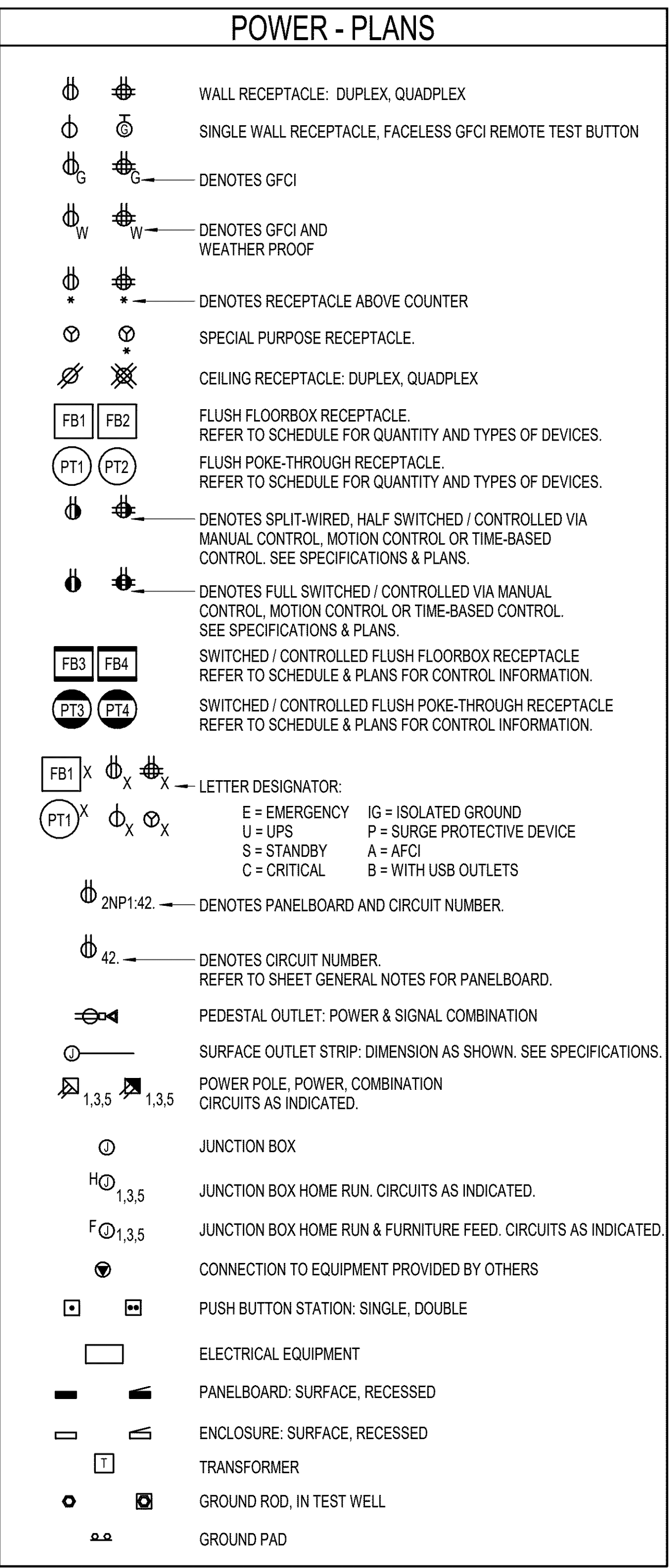
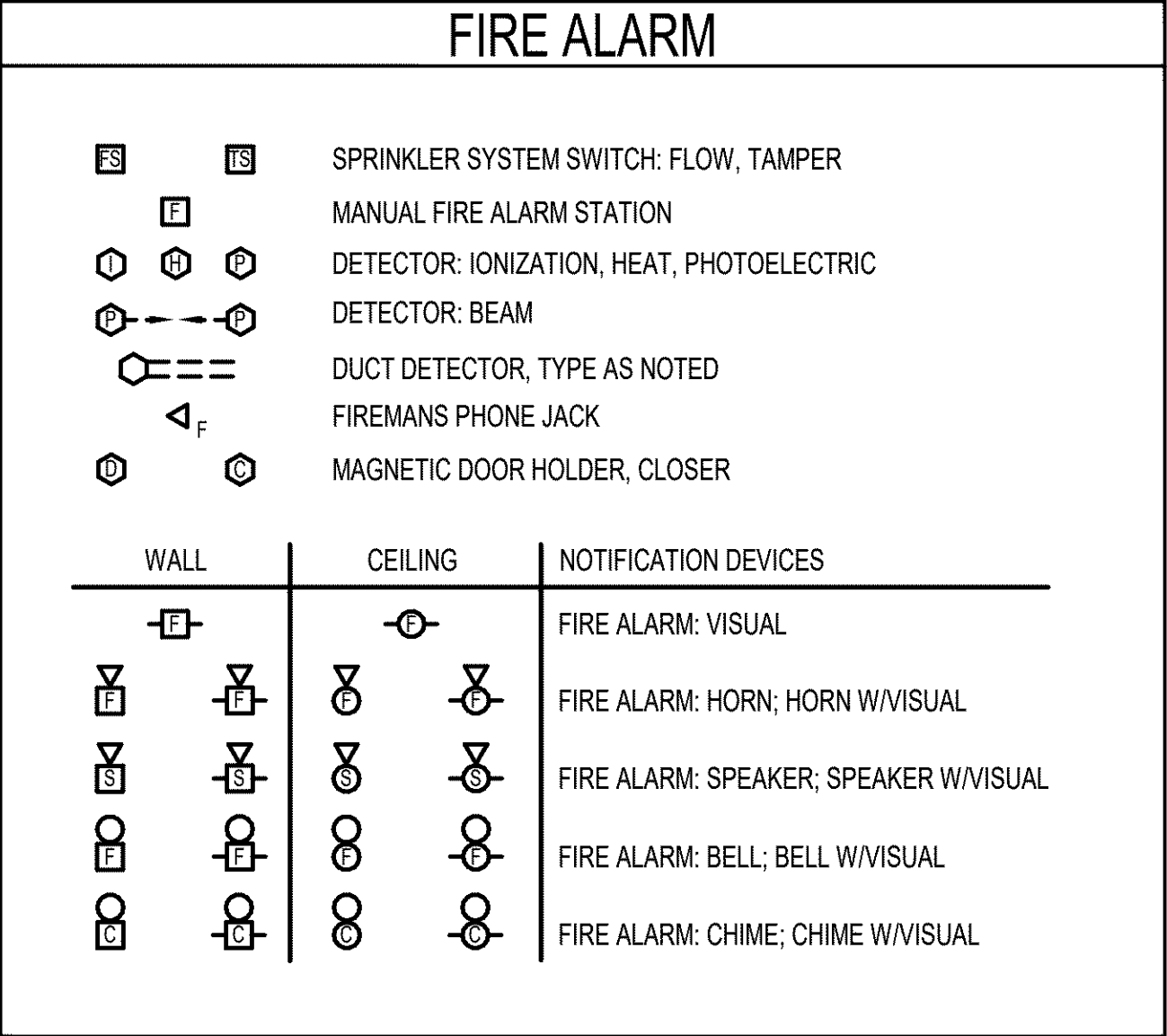
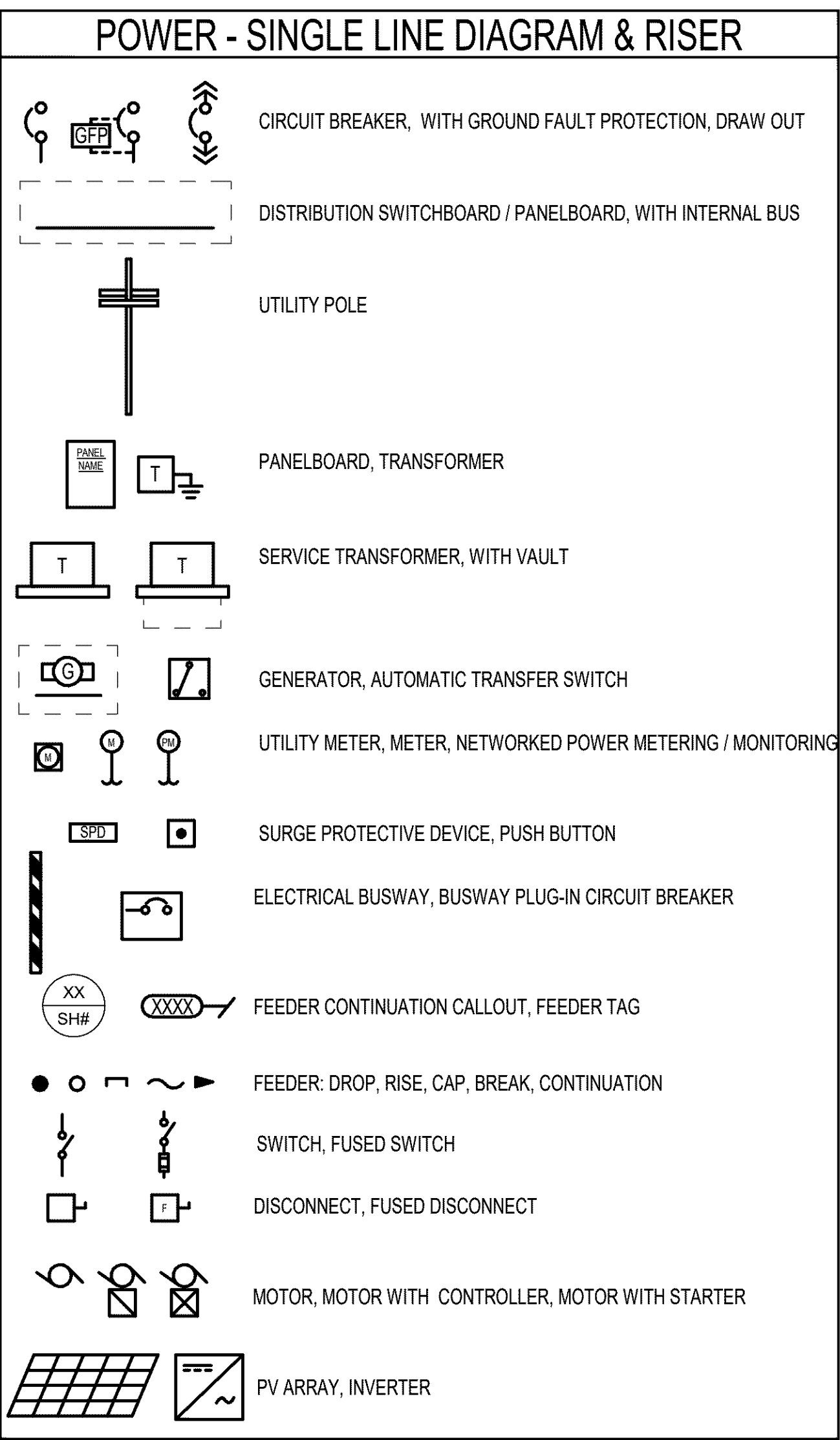
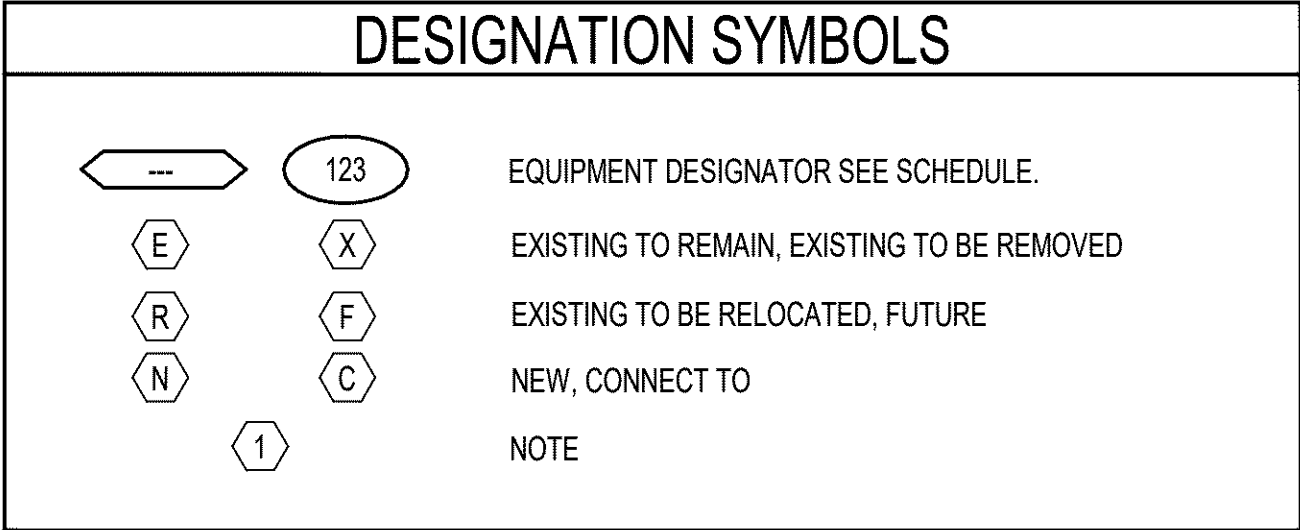
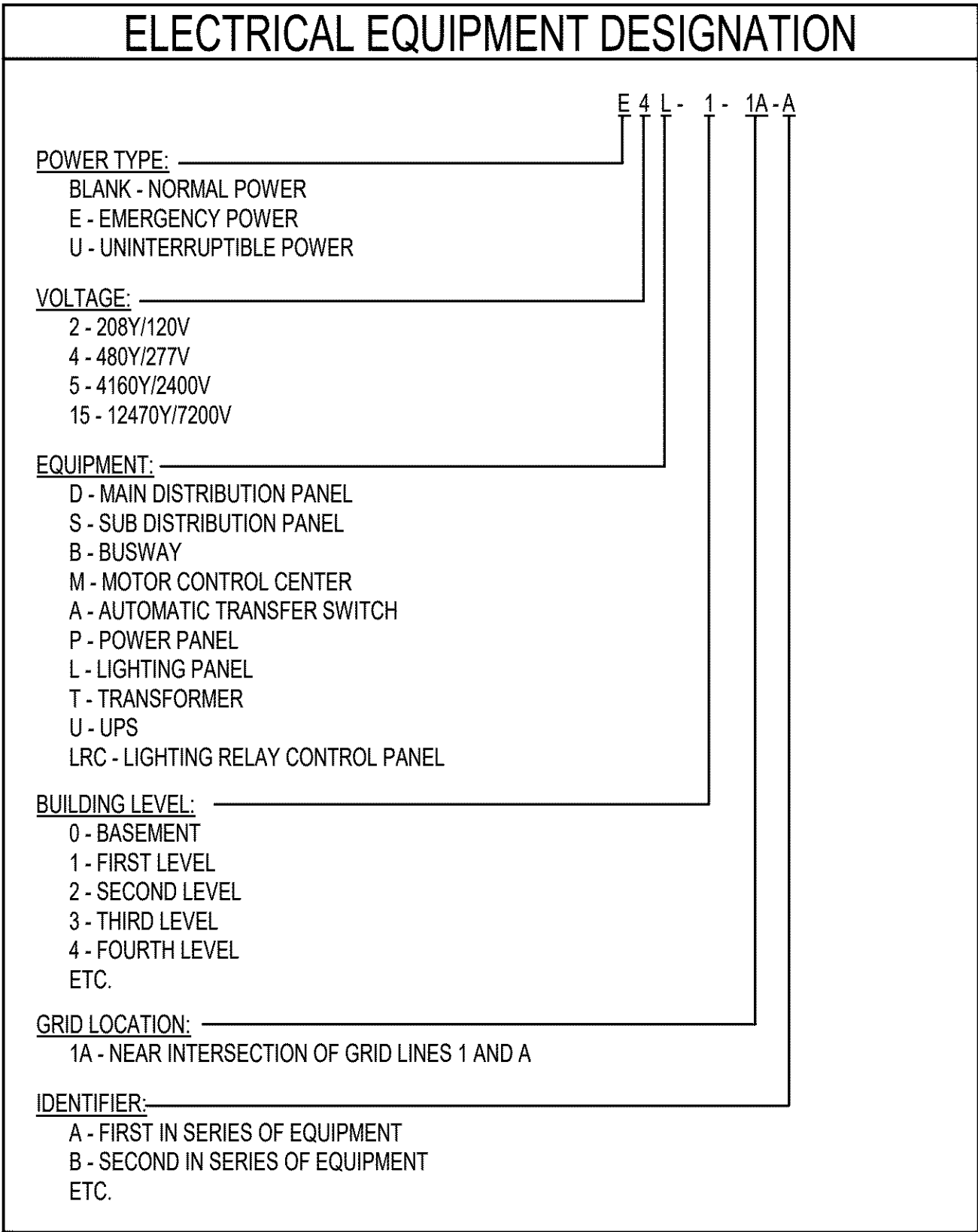
ARCHITECTURE IBI GROUP 907 SW Harvey Milk Street Portland, OR 97205, USA NAME: Jim Fitzpatrick EMAIL: jim.fitzpatrick@IBIGroup.com PHONE: 503 226 6950	STRUCTURAL FROELICH ENGINEERS 17700 SW Upper Boones Ferry Rd. Portland, OR 97224, USA NAME: Todd Nagle EMAIL: tnagle@froelich-engineers.com PHONE: 503 624 7005	MECHANICAL PAE 1500 - 522 SW 5th Ave Portland, OR 97204, USA NAME: Paul Ganz EMAIL: paul.ganz@pae-engineers.com PHONE: 503 226 2921	ELECTRICAL PAE 1500 - 522 SW 5th Ave Portland, OR 97204, USA NAME: Mike Streh EMAIL: mike.streh@pae-engineers.com PHONE: 503 226 2921	LOW VOLTAGE / SECURITY VERTEX 25085 SW Rainbow LN Hillsboro, OR 97123, USA NAME: Darcy Tucker EMAIL: darcy@vertex-tech.com PHONE: 503 201 6568
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PRIME CONSULTANT IBI GROUP 907 SW Harvey Milk Street Portland, OR 97205, USA tel 503 226 6950 fax 503 273 9192 ibigroup@ibigrp.com	PROJECT NO: 124743 DATE: MAY 4, 2020 SHEET NUMBER AG0000
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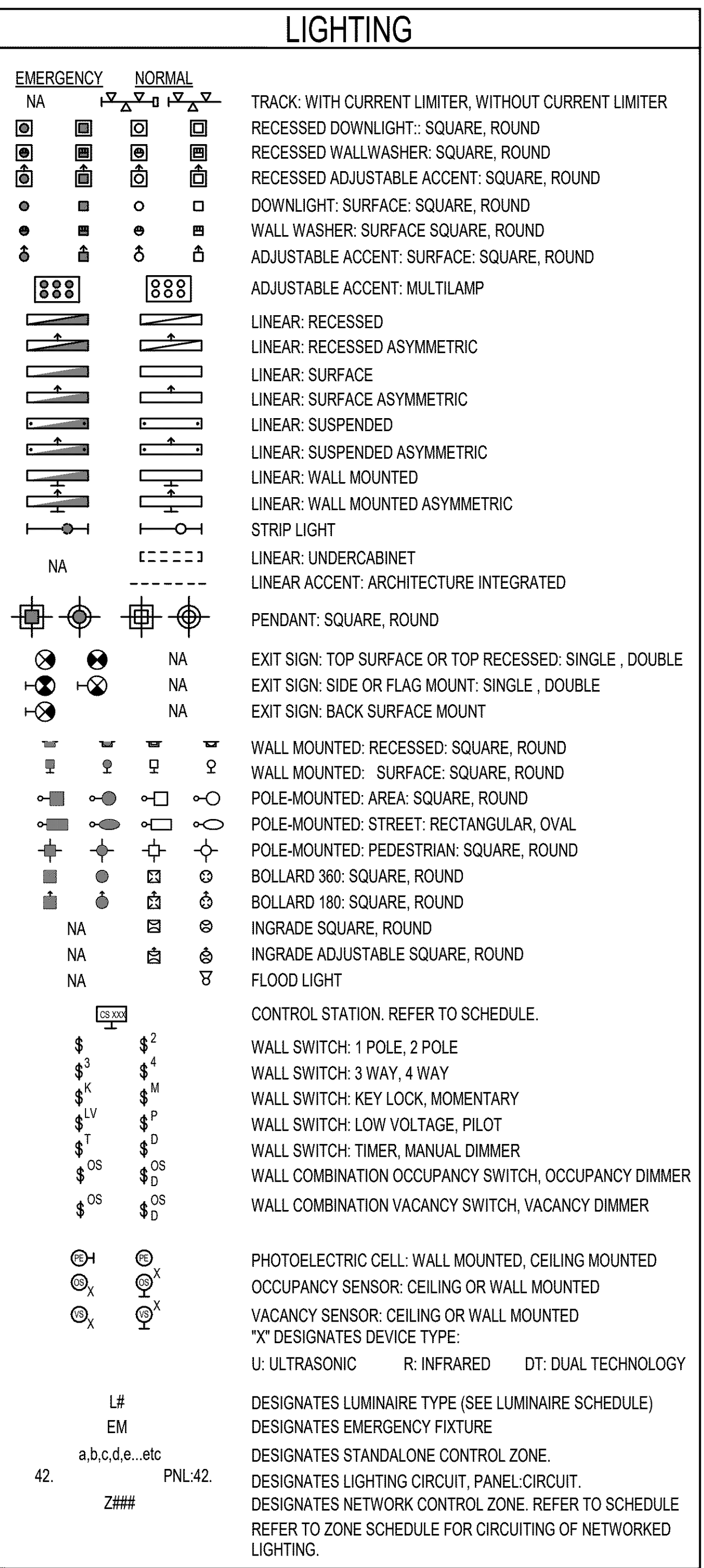


ABBREVIATIONS - ELECTRICAL			
AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT-AMPERE
ADA	AMERICANS DISABILITIES ACT	KVAR	KILOVOLT-AMPERE REACTIVE
A	AMPERE (AMP)	LA	LIGHTNING ARRESTOR
AL	ALUMINUM	LED	LIGHT EMITTING DIODE
ARCH	ARCHITECT / ARCHITECTURAL	LRC	LIGHTING RELAY CONTROL PANEL
ATS	AUTOMATIC TRANSFER SWITCH	LTG	LIGHTING
AWG	AMERICAN WIRE GAUGE	LV	LOW VOLTAGE
C	CONDUIT	MATV	MASTER ANTENNA TELEVISION
CAT	CATEGORY CABLE	MAX	MAXIMUM
CB	CIRCUIT BREAKER	MCA	MINIMUM CIRCUIT AMPACITY
CCTV	CLOSED CIRCUIT TELEVISION	MCB	MAIN CIRCUIT BREAKER
CKT	CIRCUIT	MCC	MOTOR CONTROL CENTER
CLG	CEILING	MDP	MAIN DISTRIBUTION PANEL
CT	CURRENT TRANSFORMER	MECH	MECHANICAL
CU	COPPER	MH	METAL HALIDE
DN	DOWN	MIN	MINIMUM
EM	EMERGENCY	MLO	MAIN LUGS ONLY
EMT	ELECTRICAL METALLIC TUBING	MOC	MAXIMUM OVERCURRENT PROTECTION
EP	EXPLOSION PROOF	MTS	MANUAL TRANSFER SWITCH
EPO	EMERGENCY POWER OFF	MV	MEDIUM VOLTAGE
EW	ELECTRIC WATER COOLER	NIC	NOT IN CONTRACT
FA	FIRE ALARM	NL	NIGHT LIGHT CIRCUIT
FLA	FULL LOAD AMPS	PA	PUBLIC ADDRESS
FLUOR	FLUORESCENT	PE	PHOTOELECTRIC CELL
FCIC	FURNISHED BY CONTRACTOR	PF	POWER FACTOR
	INSTALLED BY CONTRACTOR	PNL	PANELBOARD
FOIC	FURNISHED BY OWNER	PVC	POLYVINYL CHLORIDE
	INSTALLED BY CONTRACTOR	PWR	POWER
FOIO	FURNISHED BY OWNER	SOP	SUB-DISTRIBUTION PANEL
	INSTALLED BY OWNER	STR	STARTER
GEN	GENERATOR	SV	SOLENOID VALVE
GFP	GROUND FAULT PROTECTION	SW	SWITCH
GFI	GROUND FAULT INDICATOR	TD	TIME DELAY
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TP	TAMPERPROOF
GRC	GALVANIZED RIGID CONDUIT	TTB	TELEPHONE TERMINAL BOARD
GRD	GROUND	TTT	TELEPHONE TERMINAL CABINET
HP	HORSEPOWER	TV	TELEVISION
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL
HV	HIGH VOLTAGE	UG	UNDERGROUND
HZ	HERTZ	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLTAGE
INC	INCANDESCENT	VA	VOLT-AMPERE
INV	INVERTER	VFD	VARIABLE FREQUENCY DRIVE
JB	JUNCTION BOX	VP	VAPORPROOF
KW	KILOWATT	W	WATTS
KWH	KILOWATT HOUR	WP	WEATHERPROOF
KV	KILOVOLT	XFMR	TRANSFORMER



GENERAL NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.



CLIENT

WEST LINN WILSONVILLE SCHOOL DISTRICT

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PAE

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SEAL

REGISTERED PROFESSIONAL ENGINEER

0015678

668000

MICHAEL FORREST, STATE

05-01-2020

DPRES 6-30-2020

IBI GROUP

907 SW Harvey Milk Street
Portland, OR 97205, USA
tel 503 226 6950 fax 503 273 9192
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PROJECT

BOONES FERRY SECURITY UPGRADES

11495 SW Wilsonville Rd
Wilsonville, OR
97070

PROJECT NO: 124743

WL BID PACK 19045.009

DRAWN BY: Author

CHECKED BY: Checker

PROJECT MGR: Designer

APPROVED BY: Approver

SHEET TITLE

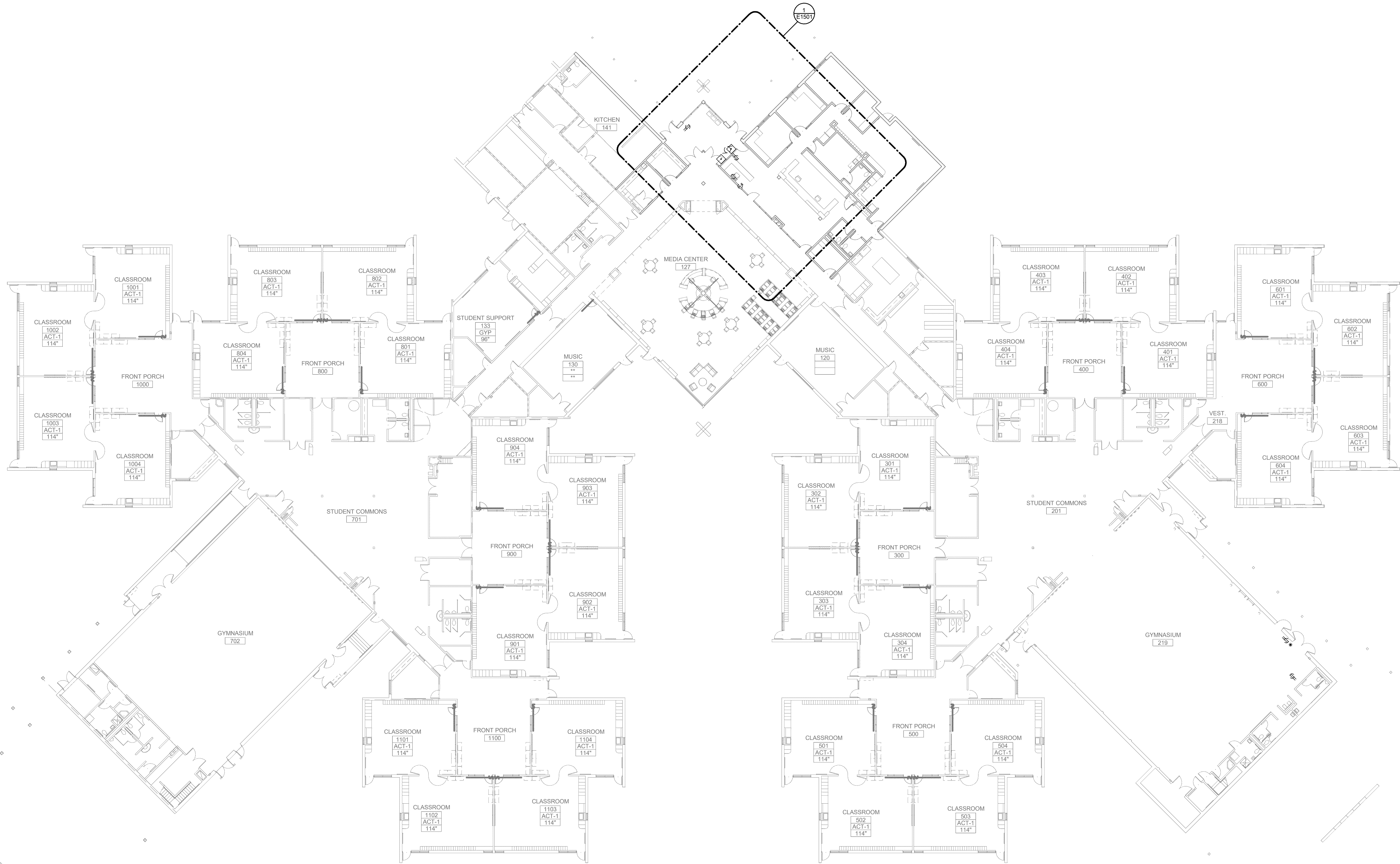
SYMBOLS, LEGENDS AND ABBREVIATIONS - ELECTRICAL

SHEET NUMBER

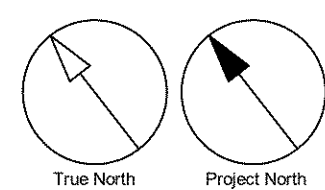
E0001

ISSUE

5/1/2020 12:00:48 PM



1 LEVEL 01 PLAN - POWER
1/16" = 1'-0"



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WILSONVILLE SCHOOL
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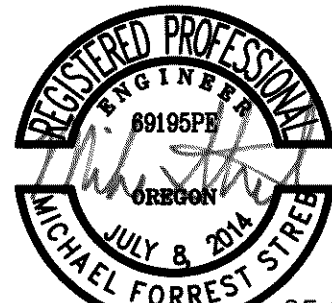
No.	DESCRIPTION	DATE
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CONSULTANTS



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SEAL



DPRES 6-30-2020



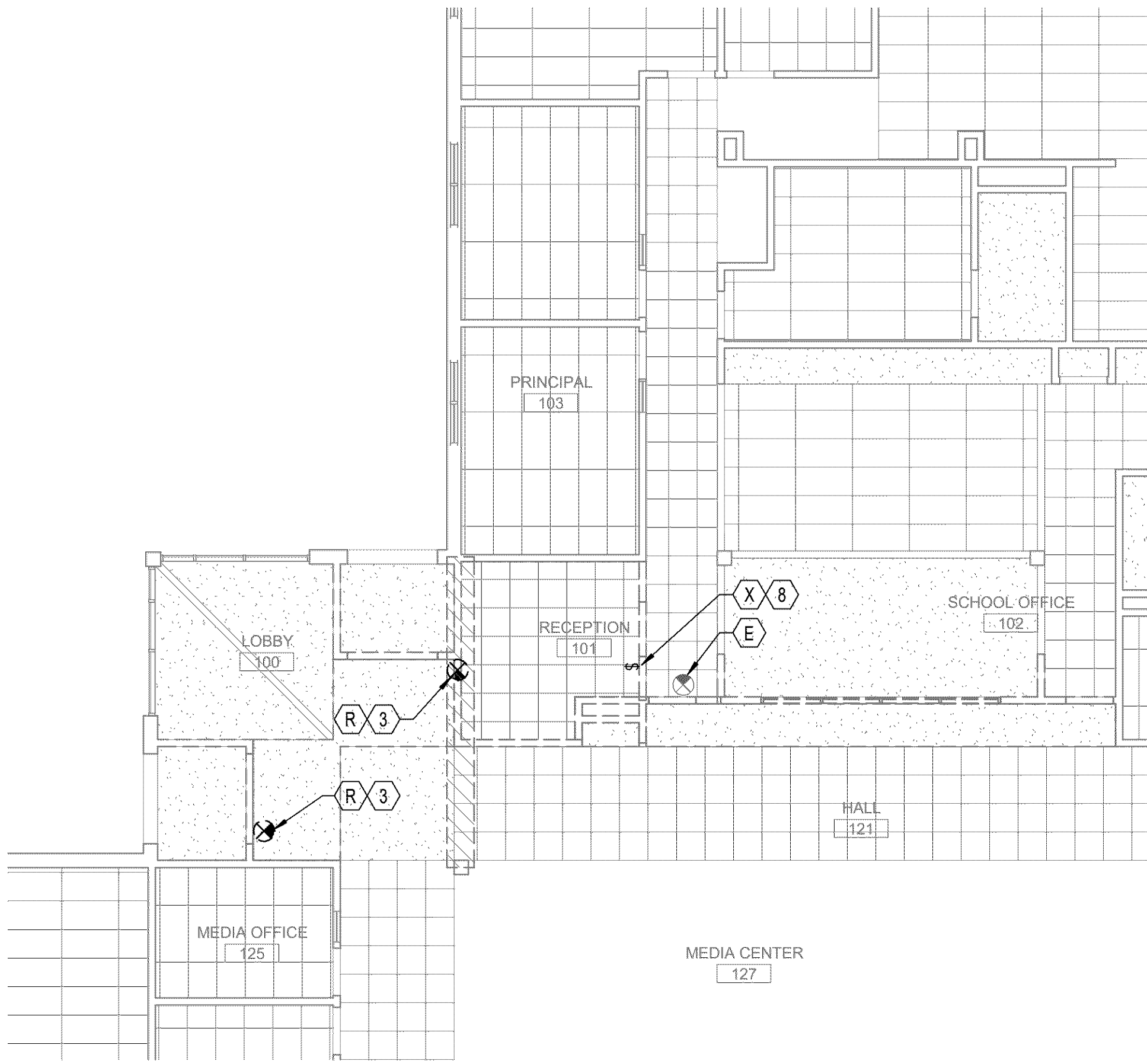
PROJECT
**BOONES FERRY SECURITY
UPGRADES**
11495 SW Wilsonville Rd
Wilsonville, OR
97070

PROJECT NO: 124743	WL BID PACK 19045.009
DRAWN BY: Author	CHECKED BY: Checker
PROJECT MGR: Designer	APPROVED BY: Approver

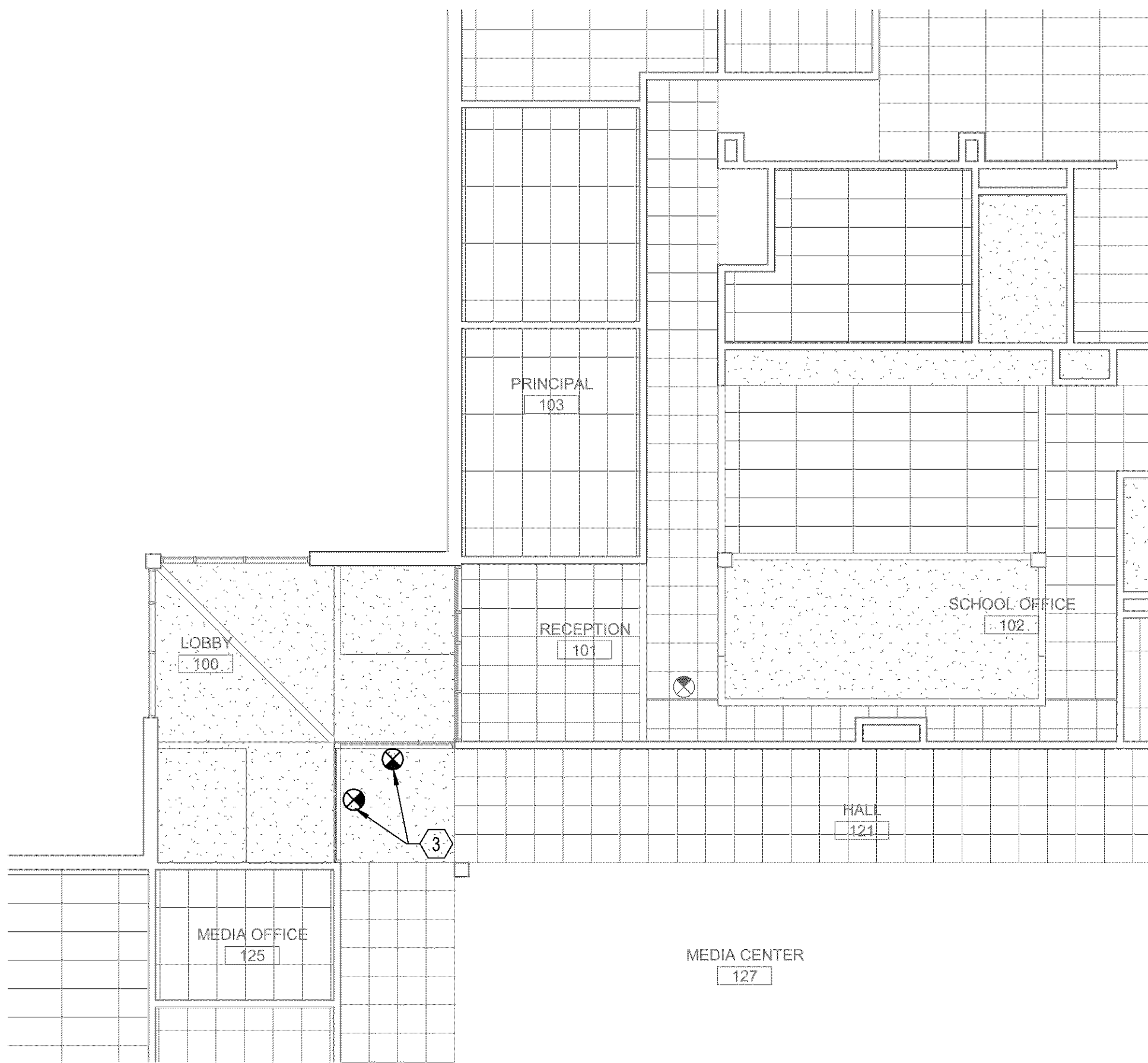
SHEET TITLE
**OVERALL FIRST FLOOR PLAN -
ELECTRICAL**

SHEET NUMBER E1101	ISSUE
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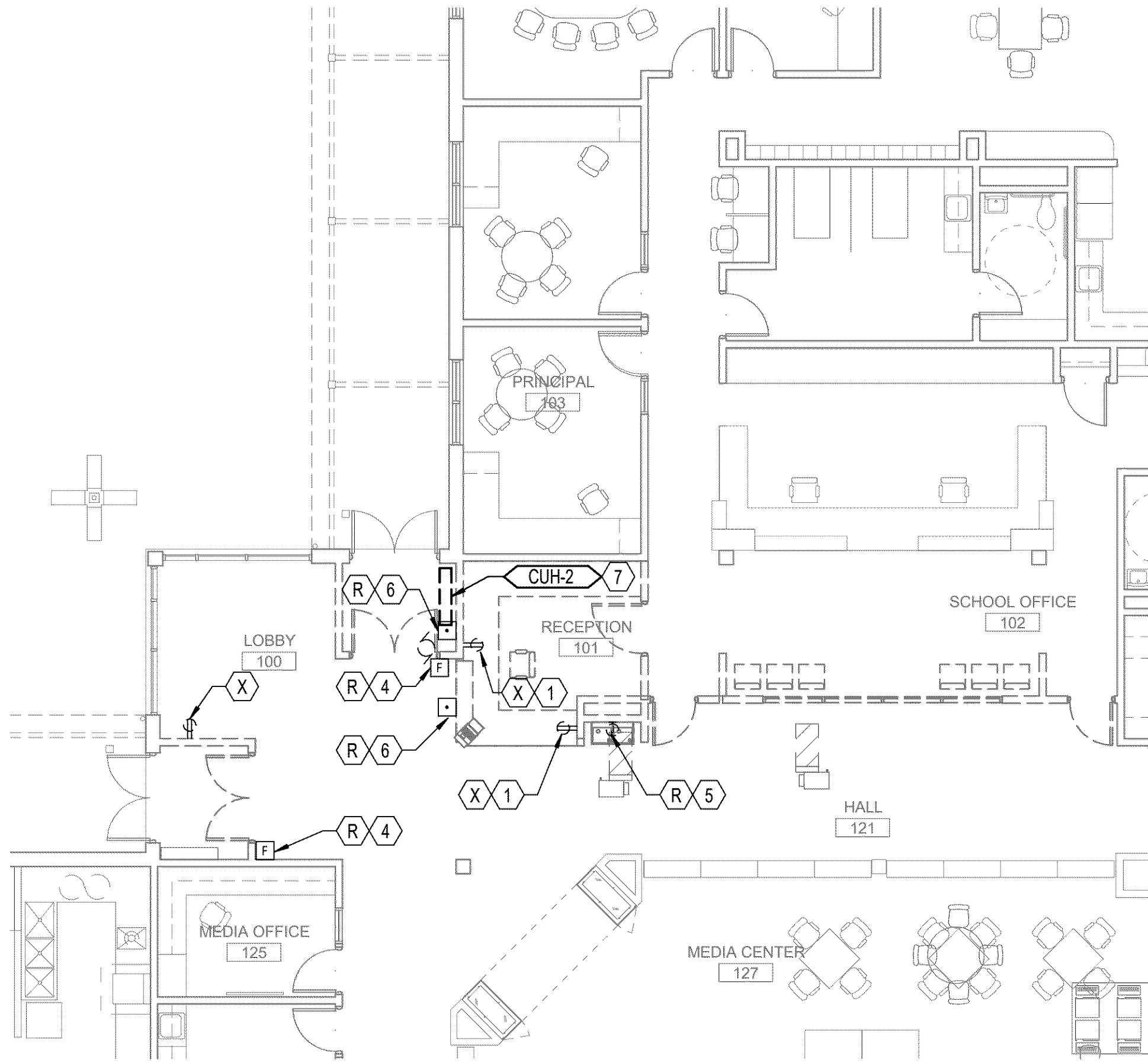
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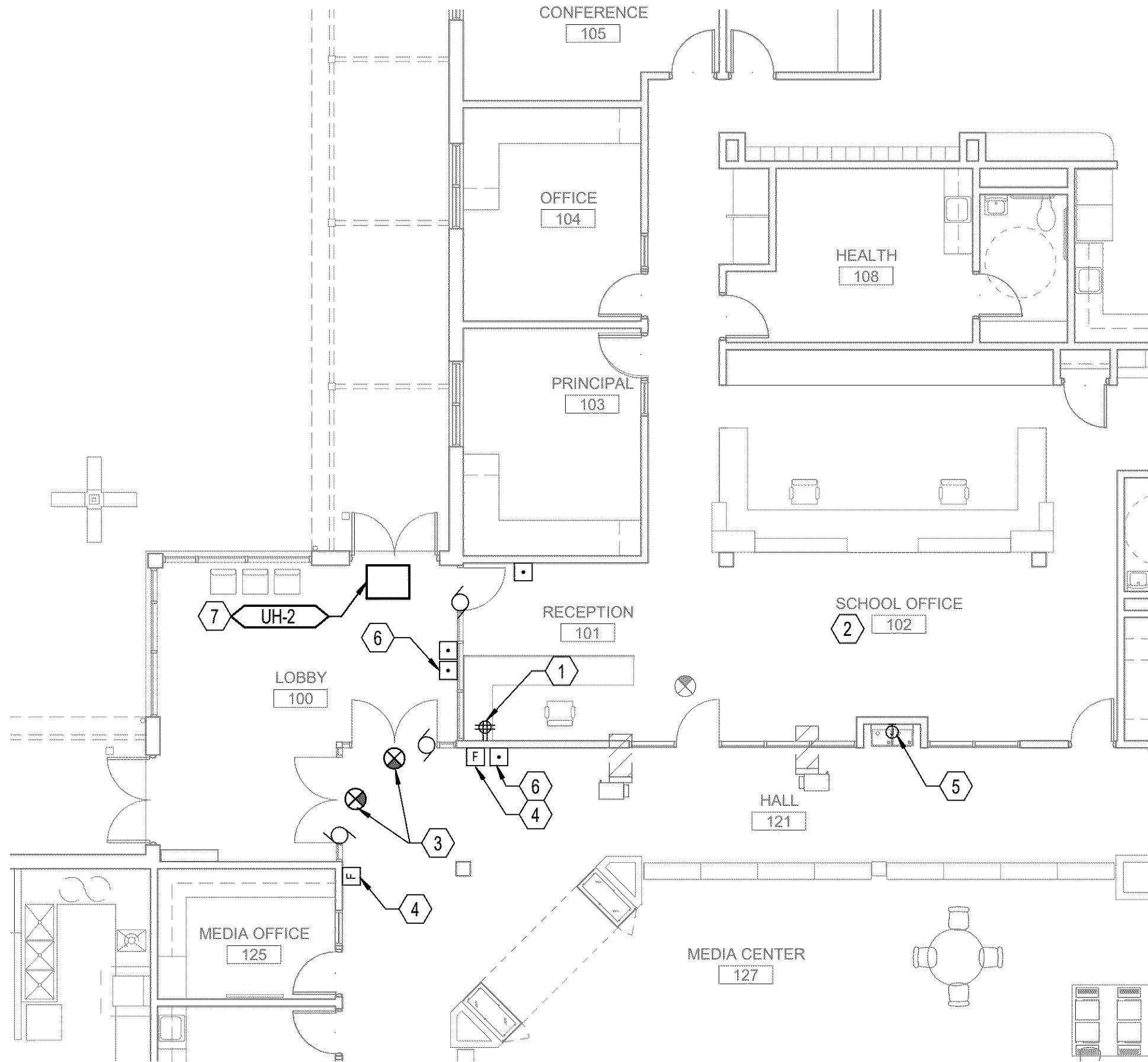
4 ENTRY RCP - DEMOLITION - LIGHTING
1/8" = 1'-0"



3 ENTRY RCP - NEW CONSTRUCTION - LIGHTING
1/8" = 1'-0"



2 FLOOR PLAN - DEMOLITON - POWER
1/8" = 1'-0"



1 FLOOR PLAN - NEW - POWER
1/8" = 1'-0"

GENERAL NOTES:

- A. MAINTAIN CONTINUITY OF EXISTING SYSTEMS WITHIN DASHED BOUNDARY DURING REMOVAL OF INTERIOR AND EXTERIOR WALLS.
- B. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR DIVISION 28 SCOPE OF WORK. SEE DIVISION 28 HARDWARE SPECIFICATIONS FOR REQUIREMENTS.
- C. EXISTING LIGHTING AND CONTROL TO REMAIN UNLESS OTHERWISE NOTED ON LIGHTING DETAIL.

NOTES:

1. REMOVE EXISTING RECEPTACLES. REUSE EXISTING CIRCUIT TO SERVE NEW DOUBLE DUPLEX RECEPTACLE VIA ACCESSIBLE CEILING.
2. PROVIDE 120V CONNECTIONS TO SECURITY LOCKDOWN "SHELTER" SYSTEM. REFERENCE DOOR HARDWARE SPECIFICATION FOR MORE INFORMATION. COORDINATE WITH SECURITY SYSTEM INTEGRATOR FOR CONNECTION POINTS.
3. RELOCATE EXISTING EXIT SIGN TO NEW LOCATION SHOWN.
4. RELOCATE EXISTING FIRE ALARM PULL STATION AND COVER TO NEW LOCATION SHOWN.
5. RELOCATE EXISTING CIRCUIT SERVING REFRIGERATED DRINKING FOUNTAIN TO NEW LOCATION SHOWN.
6. RELOCATE EXISTING DOOR OPERATOR POWER CONNECTION, PUSH BUTTONS AND CONTROL TO NEW LOCATION VIA ACCESSIBLE CEILING.
7. RELOCATE EXISTING CONNECTION TO WALL MOUNTED CABINET UNIT HEATER TO CEILING HEATER.
8. REMOVE EXISTING SWITCH. EXISTING LIGHTING IN RECEPTION 101 TO BE SERVED BY EXISTING CIRCUIT AND CONTROL IN SCHOOL OFFICE 102.

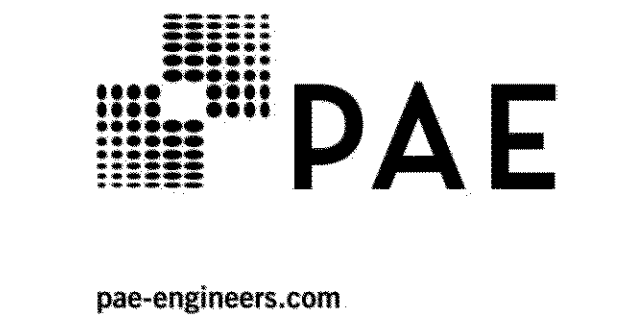
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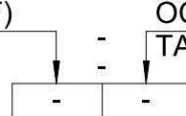




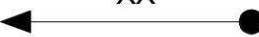



PROJECT
**BOONES FERRY SECURITY
UPGRADES**
11495 SW Wilsonville Rd
Wilsonville, OR
97070

PROJECT NO. 124743 **WL BID PACK 19045.009**
DRAWN BY: Author **CHECKED BY:** Checker
PROJECT MGR: Designer **APPROVED BY:** Approver

SHEET TITLE
ENTRY PLANS - ELECTRICAL

SHEET NUMBER
E1501 **ISSUE**

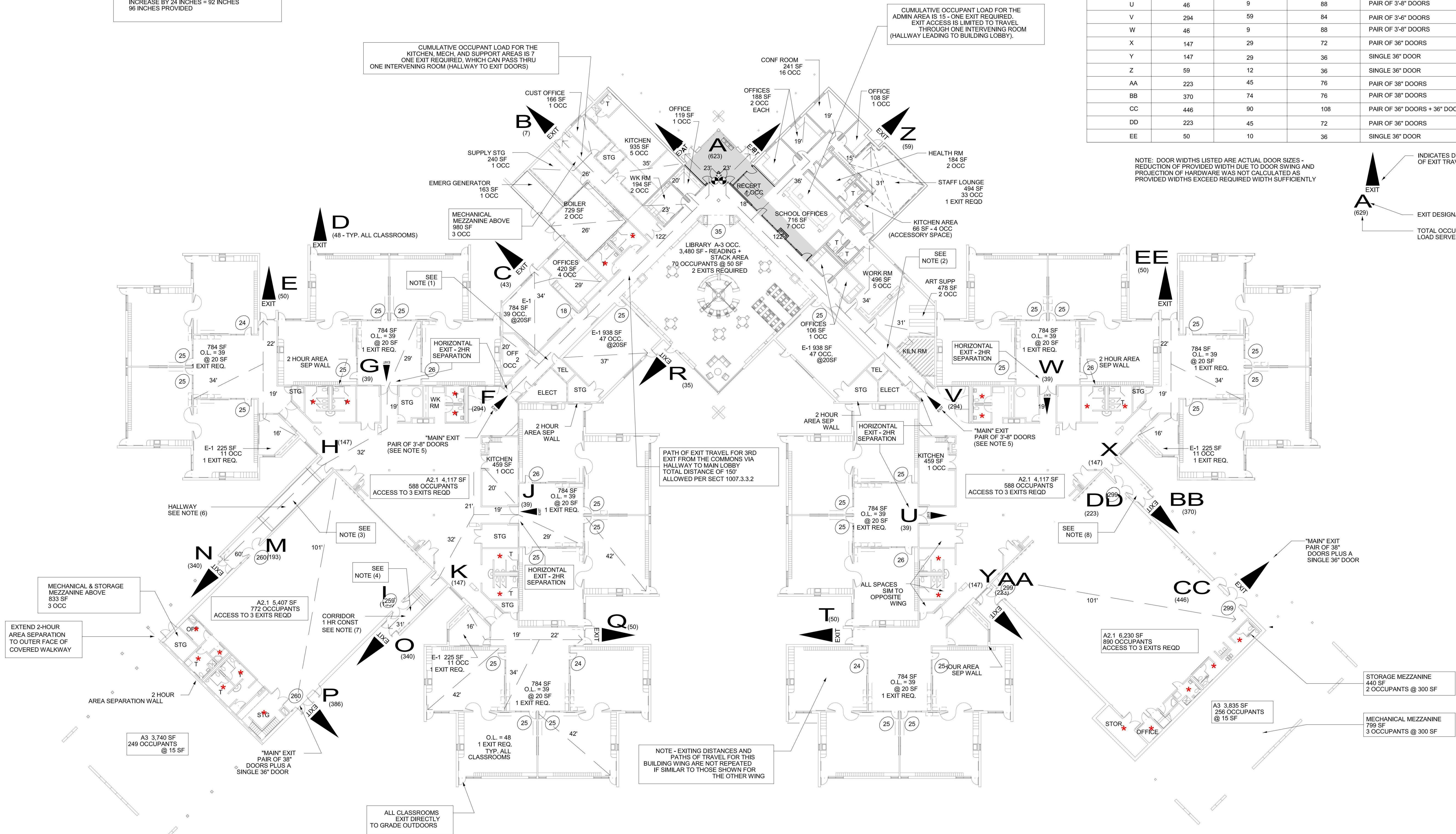
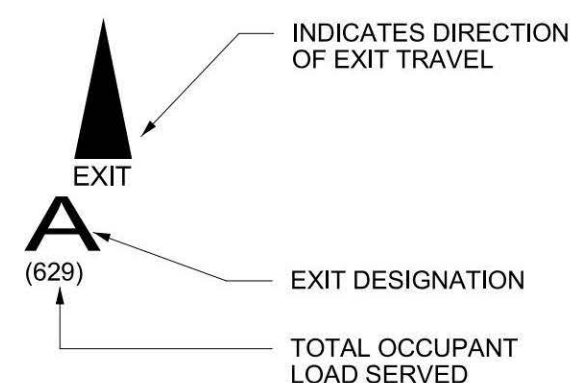
- NOTES
- (1) REQUIRED WIDTH OF HALLWAY IS:
(294 X 0.2) = 59 INCHES
PER SECTION 1007.3.5
INCREASE BY 24 INCHES = 83 INCHES
96 INCHES PROVIDED
- (2) REQUIRED WIDTH OF HALLWAY IS:
(294 X 0.2) = 59 INCHES
INCREASE BY 24 INCHES = 83 INCHES
96 INCHES PROVIDED
- (3) REQUIRED WIDTH OF HALLWAY IS:
(340 X 0.2) = 68 INCHES
INCREASE BY 24 INCHES = 92 INCHES
96 INCHES PROVIDED
- (4) REQUIRED WIDTH OF HALLWAY IS:
(340 X 0.2) = 68 INCHES
INCREASE BY 24 INCHES = 92 INCHES
96 INCHES PROVIDED
- (5) EXITS "F" AND "V" QUALIFY AS
SEPARATE MEANS OF EGRESS SYSTEMS
FOR THE COMMONS SPACES
- (6) EXIT ALLOWED AS AN INTERVENING
ROOM PER UBC 1004.2.2 EXCEPTION 4
- (7) EXIT RATED AS A CORRIDOR
PER UBC 1004.2.2
- (8) REQUIRED WIDTH OF HALLWAY IS:
(370 X 0.2) = 74 INCHES
INCREASE BY 24 INCHES = 92 INCHES
96 INCHES PROVIDED

EXIT TYPE LEGEND					NOTES			
EXIT	OCCUPANT LOAD	REQUIRED WIDTH (INCHES)*	PROVIDED WIDTH (INCHES)					
	A	305	46 68	1/2 MUSIC, 1/4 GYMNASIUM AND MAKERSPACE 1/2				
	B	638	96 102	3/4 GYMNASIUM / ADMINISTRATION AND CLASSROOM				
	C	310	47 72	1/2 CLASSROOMS AREA, 1/2 LIBRARY, 1/4 GYM				
	D	91	32 72	1/3 CLASSROOMS AREA, 1/2 LIBRARY				
	E	110	32 72	1/2 CLASSROOM				
	F	68	32 72	1/3 CLASSROOMS				
REQUIRED WIDTH WITH SPRINKLER SYSTEM (PER 1005.1) ASSUMED OCCUPANT LOAD X 0.15 = MINIMUM WIDTH IN INCHES (32" MINIMUM PER 1008.1.1)								
EXISTING TWO HOUR FIRE WALL ASSEMBLY - 90 MINUTE RATED OPENINGS - ASSUMED PROPERTY LINE AT BUILDING EXTERIOR								
	ROOM NAME (Code Definition)							
	<table><tr><td>980</td><td>20</td></tr><tr><td>49</td><td>1</td></tr></table>				980	20	49	1
980	20							
49	1							
	AREA (SF)							
	OCC. LOAD FACTOR TABLE 1004.1.2							
	OCCUPANTS							
	# OF EXITS REQUIRED (CUMULATIVE EXITS)							
	NUMBER OF OCCUPANTS WITH DIRECTION OF TRAVEL							
	ACCESSORY USE TO PRIMARY ADJACENT ROOM - OCCUPANTS NOT COUNTED FOR EXITING							
	PATH OF EGRESS TO AN EXIT - (TRAVEL DISTANCE NOTED IN (XX') EQUALS TOTAL DISTANCE FOR ROUTE) - MAXIMUM DISTANCE OF 250' ALLOWED PER TABLE 1015.1							
	EXIT SIGN LOCATIONS (NEW) (ARROWS INDICATE DIRECTIONAL EXIT SIGN)							
	EXIT AND EXIT TYPE AS DESCRIBED BELOW							
	AREA OF NEW WORK REMODEL							

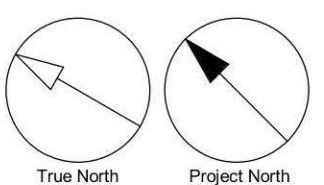
EXIT WIDTH SUMMARY

EXIT DESIGNATION	TOTAL OCC. LOAD	REQUIRED WIDTH-INCHES	PROVIDED WIDTH-INCHES	REMARKS
A	623	125	144	2 PAIRS OF 36" DOORS
B	7	2	72	PAIR OF 36" DOORS
C	43	9	36	SINGLE 36" DOOR
D	48	10	36	SINGLE 36" DOOR
E	50	10	36	SINGLE 36" DOOR
F	294	59	84	PAIR OF 3'-6" DOORS
G	46	9	88	PAIR OF 3'-6" DOORS
H	147	29	36	SINGLE 36" DOOR
J	46	9	88	PAIR OF 3'-6" DOORS
K	147	29	36	SINGLE 36" DOOR
L	193	39	72	PAIR OF 36" DOORS
M	193	39	72	PAIR OF 36" DOORS
N	340	68	72	PAIR OF 36" DOORS
O	340	68	72	PAIR OF 36" DOORS
P	386	77	112	PAIR OF 36" DOORS + 36" DOOR
Q	50	10	36	SINGLE 36" DOOR
R	35	7	36	SINGLE 36" DOOR
NOT USED				
T	50	10	36	SINGLE 36" DOOR
U	46	9	88	PAIR OF 3'-6" DOORS
V	294	59	84	PAIR OF 3'-6" DOORS
W	46	9	88	PAIR OF 3'-6" DOORS
X	147	29	72	PAIR OF 36" DOORS
Y	147	29	36	SINGLE 36" DOOR
Z	59	12	36	SINGLE 36" DOOR
AA	223	45	76	PAIR OF 36" DOORS
BB	370	74	76	PAIR OF 36" DOORS
CC	446	90	108	PAIR OF 36" DOORS + 36" DOOR
DD	223	45	72	PAIR OF 36" DOORS
EE	50	10	36	SINGLE 36" DOOR

NOTE: DOOR WIDTHS LISTED ARE ACTUAL DOOR SIZES - REDUCTION OF PROVIDED WIDTH DUE TO DOOR SWING AND PROJECTION OF HARDWARE WAS NOT CALCULATED AS PROVIDED WIDTHS EXCEED REQUIRED WIDTH SUFFICIENTLY



1 LEVEL 01 EXITING PLAN
G1101 Scale: 1" = 20'-0"



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ISSUES		
No.	DESCRIPTION	DATE
1	BID & PERMIT SET	05-04-2020

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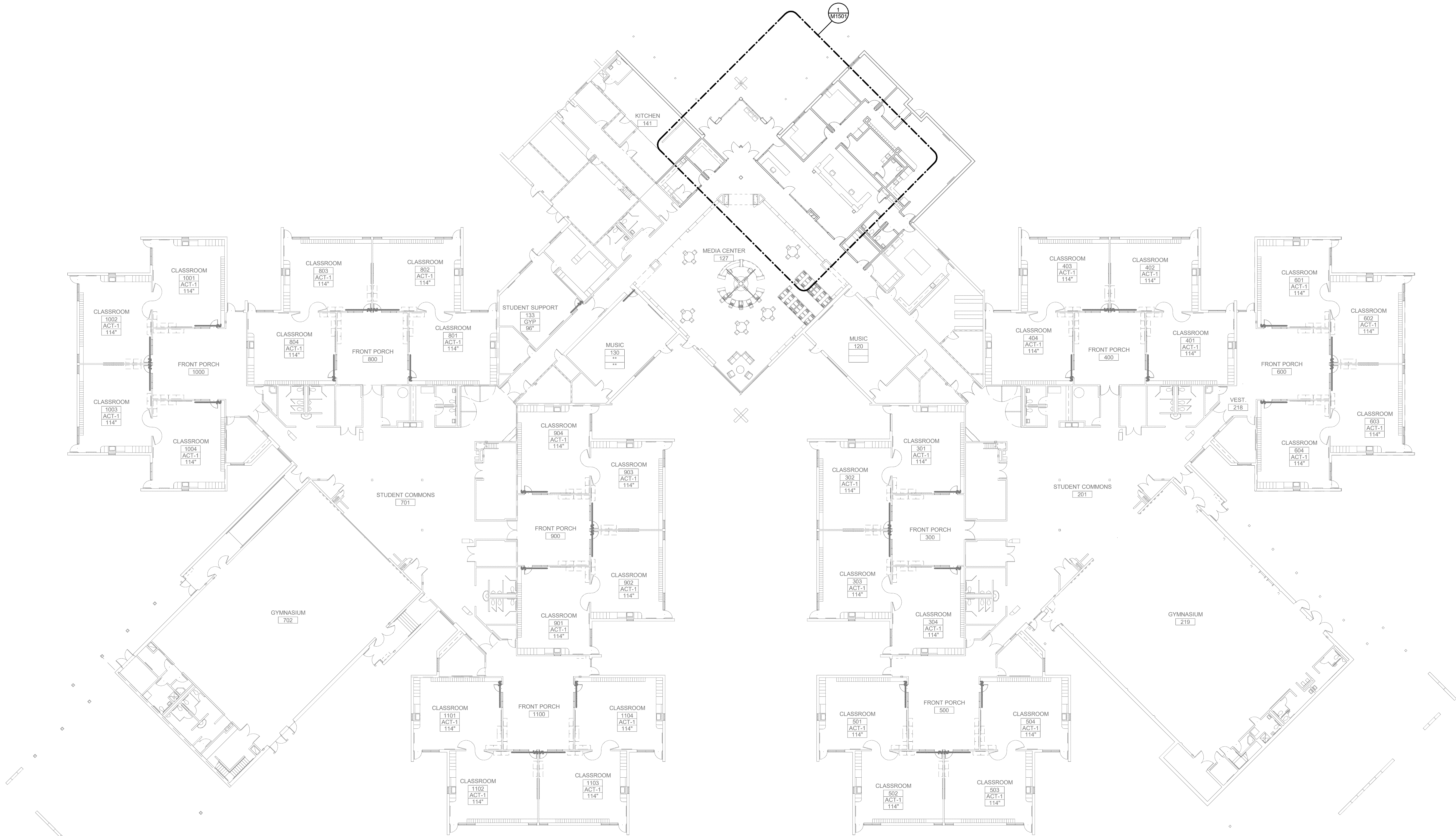
IBI GROUP
907 SW Harvey Milk Street
Portland, OR 97205, USA
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ibigroup-usa.com

PROJECT
BOONES FERRY PRIMARY
SCHOOL
SECURITY UPGRADES
11495 SW Wilsonville Rd
Wilsonville, OR 97070

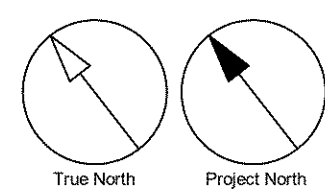
PROJECT NO:
124743
DRAWN BY:
TK
PROJECT MGR:
TK
SHEET TITLE
CODE PLAN - EXITING

SHEET NUMBER
G1101
ISSUE

5/1/2020 12:00:54 PM



1 LEVEL 01 PLAN - MECHANICAL
1/16" = 1'-0"



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pae-engineers.com

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PROJECT
**BOONES FERRY SECURITY
UPGRADES**
11495 SW Wilsonville Rd
Wilsonville, OR
97070

PROJECT NO:	WL BID PACK 19045.009
DRAWN BY:	PF
PROJECT MGR:	MFS
CHECKED BY:	PF
APPROVED BY:	NPC

SHEET TITLE
**OVERALL FIRST FLOOR PLAN -
MECHANICAL**

SHEET NUMBER
M1101

ISSUE

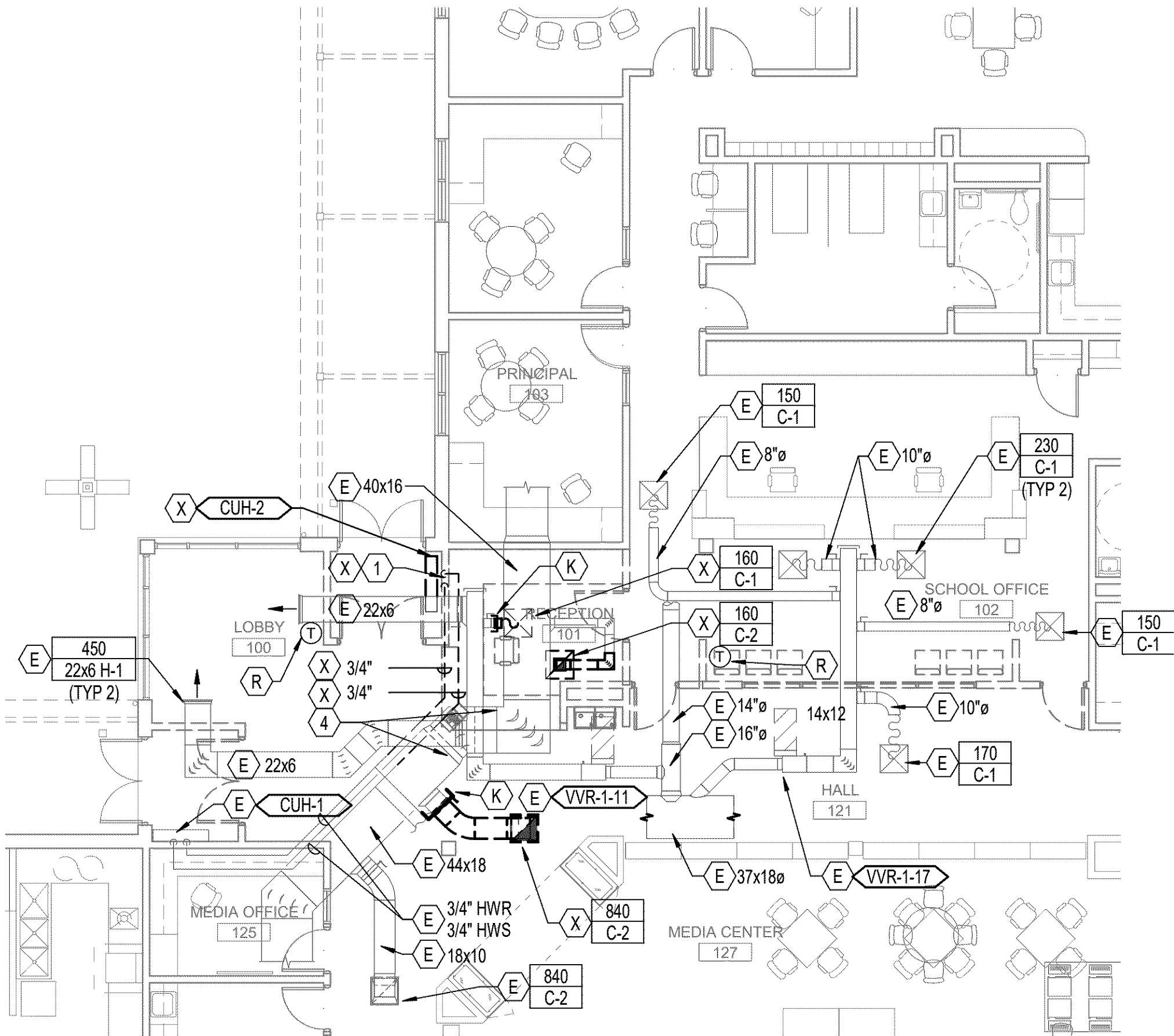
B:\19045\20-1183 - WL\19045 - Westlure Upgrades\20-1183 MEP20 CENTRAL.rvt
1/16"

GENERAL NOTES:

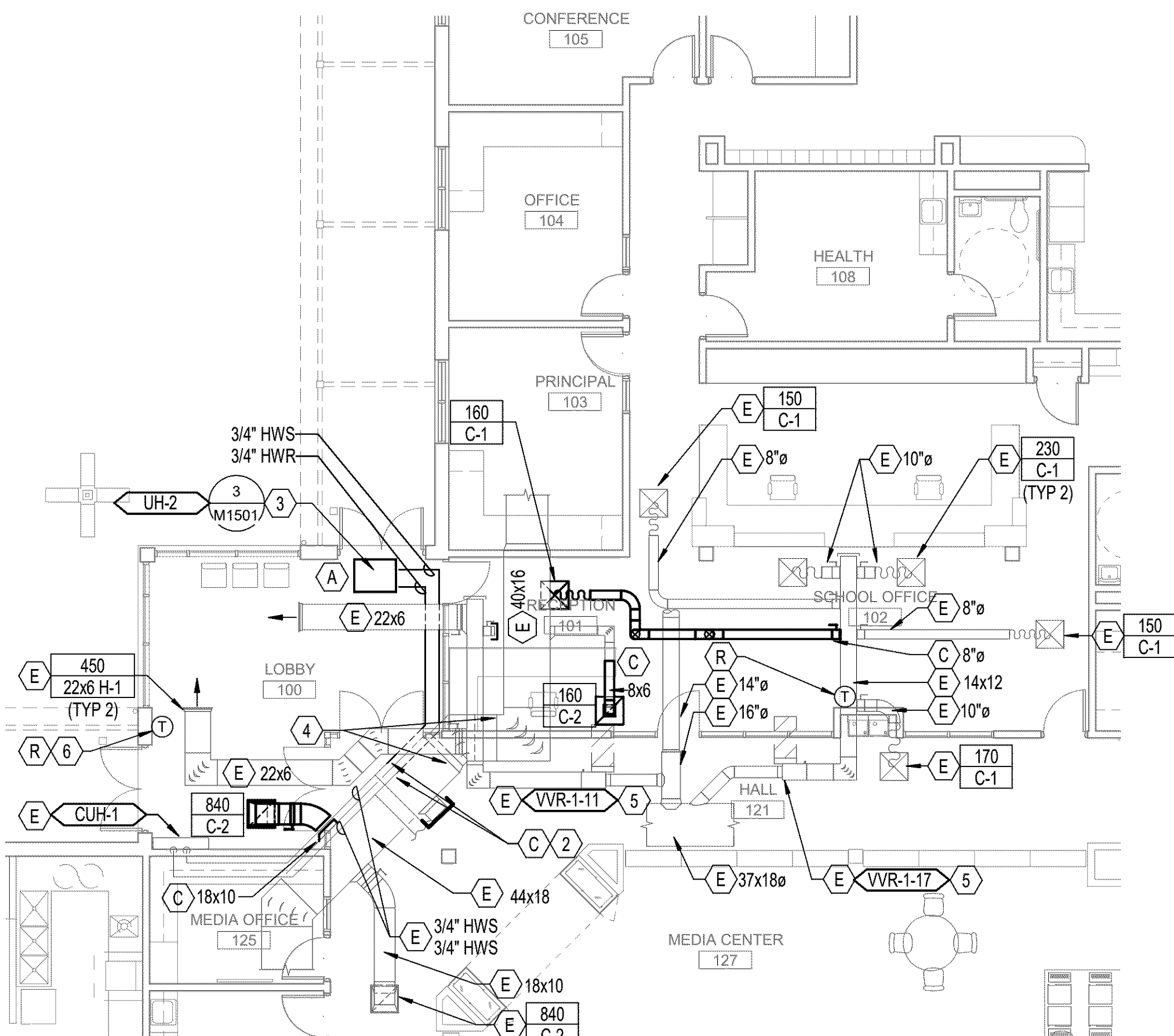
- A. ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- B. PATCH AND REPAIR ALL OPENINGS MADE BY REMOVALS.
- C. DEMOLITION WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING : REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING, DUCTWORK AND ALL APPURTENANCES WHERE INDICATED ON THE PLANS.
- D. REMOVE MECHANICAL EQUIPMENT, DUCTS, PIPING AND ASSOCIATED ITEMS AS SHOWN OR RELATED TO EQUIPMENT TO BE REMOVED. CAP DUCTWORK OR PIPING AT NEAREST LIVE BRANCH.
- E. CONTRACTOR SHALL PERFORM PRE-BALANCE AIRFLOW TESTING AND REPORT SHALL BE COMPLETED BEFORE ANY DEMOLITION WORK BEGINS. REPORT SHALL INCLUDE TESTING ON TERMINAL UNITS, SUPPLY DUCT AND SUPPLY DIFFUSERS, AND RETURN DUCTS AND RETURN GRILLES SERVING THE VESTIBULES THAT ARE LOCATED OUTSIDE OF THE AREA OF WORK.
- F. DUCT RUNOUTS TO DIFFUSERS AND GRILLES TO BE SAME AS INLET SIZE SHOWN ON SCHEDULE UNLESS OTHERWISE NOTED.
- G. PROVIDE VOLUME DAMPER AT EACH BRANCH OUTLET/INLET. PROVIDE REMOTE CABLE DAMPERS FOR VOLUME DAMPERS ABOVE HARD LIDS (YOUNG'S BOWDEN REMOTE CABLE CONTROLLERS OR EQUAL).
- H. RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED, AND CLEAR OF CEILING INSERTS AND EQUIPMENT. ALL DUCTWORK SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO WALL AND UNDERSIDE OF BEAMS AND JOISTS.
- I. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- J. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE ORDERING OR FABRICATIONS.
- K. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
- L. PIPING AND DUCTWORK SHALL BE LARGEST SIZE SHOWN UNTIL SMALLER SIZE IS INDICATED -INCLUDING,BUT NOT LIMITED TO, MAINS AND BRANCH PIPING.

NOTES:

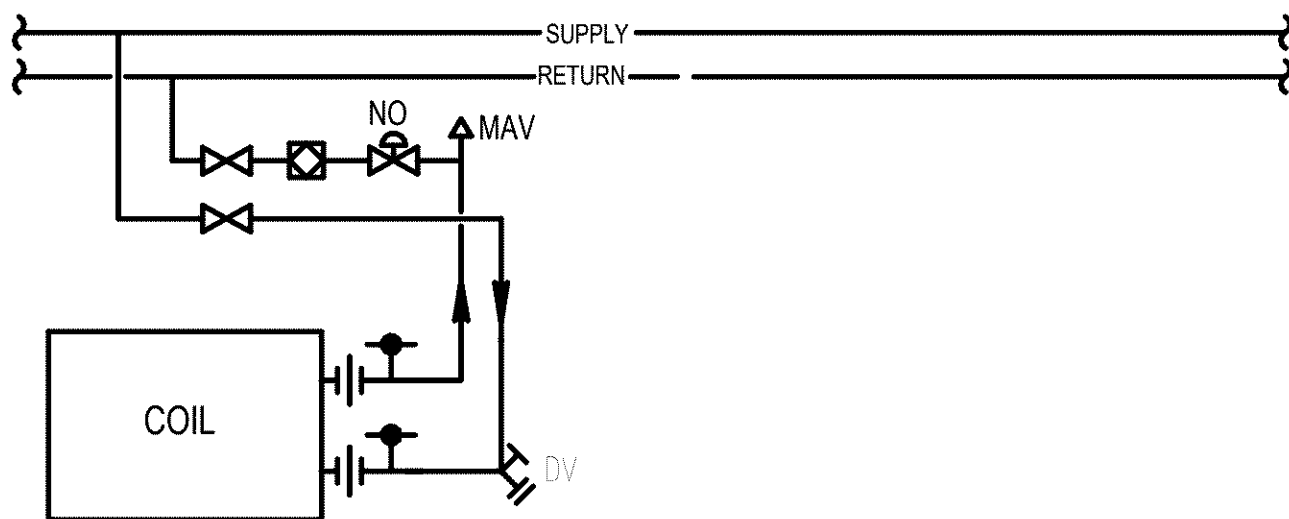
1. DEMO EXISTING CABINET UNIT HEATER. DEMO EXISTING HW PIPING BACK TO NEAREST MAIN AND PREP FOR CONNECTION TO NEW.
2. PROVIDE NEW BRANCH PIPING TO RECESSED UNIT HEATER. VERIFY ISOLATION VALVES ARE EXISTING, OTHERWISE PROVIDE NEW ISOLATION VALVES.
3. COORDINATE ACCESS PANEL AND CONTROL PANEL LOCATIONS WITH ARCHITECT. VERIFY UNIT CLEARANCES ARE PROVIDED IN ACCORDANCE WITH MANUFACTURER'S CERTIFIED INSTALLATION DRAWINGS.
4. DISCONNECT DUCTWORK AS NEEDED TO ALLOW FOR NEW GLULAM BEAM INSTALLATION. RE-INSTALL DUCTWORK. COORDINATE WITH ALL OTHER TRADES. COORDINATE SHUT-DOWNS WITH OWNER.
5. REBALANCE TERMINAL UNIT AIR AND WATER FLOW RATES TO VALUES SHOWN ON SCHEDULE.
6. PROVIDE INSULATED BACK PLATE FOR MOUNTING RELOCATED THERMOSTAT ON EXTERIOR WALL.



2 FLOOR PLAN - DEMOLITON - MECHANICAL
1/8" = 1'-0"



1 FLOOR PLAN - NEW - MECHANICAL
1/8" = 1'-0"



2-WAY VALVE

TYPICAL EXCEPT WHERE NOTED

GENERAL NOTES:

A. TYPICAL OF REHEAT COILS, UNIT HEATERS AND CABINET UNIT HEATERS.

3 HEATING COIL PIPING DETAIL
NONE

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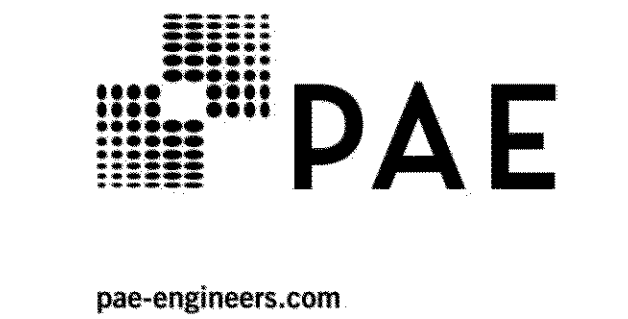
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PROJECT
BOONES FERRY SECURITY
UPGRADES
11495 SW Wilsonville Rd
Wilsonville, OR
97070

PROJECT NO:
124743
WL BID PACK 19045.009
DRAWN BY:
PFG
CHECKED BY:
PFG
PROJECT MGR:
MFS
APPROVED BY:
NPC

SHEET TITLE
ENTRY PLANS - MECHANICAL

SHEET NUMBER
M1501
ISSUE

STANDARD PLUMBING ABBREVIATIONS			
AD	AREA DRAIN	ID	INSIDE (DIAMETER/DIMENSION)
ADA	AMERICANS WITH DISABILITIES ACT	IE	INVERT ELEVATION
AFF	ABOVE FINISHED FLOOR	IN	INCH(ES)
AHP	APPARATUS HOUSING PLENUM	INSUL	INSULATION
ALT	ALTERNATIVE	ISOL	ISOLATOR(Y)ON)
AL	ALUMINUM	JP	JOCKEY PUMP
AP	ACCESS PANEL	JS	JANIOR SINK
APPROX	APPROXIMATELY	KW	KILOWATT
ARCH	ARCHITECT(URAL)	KWH	KILOWATT HOUR
AUTO	AUTOMATIC	L	LENGTH
BLDG	BUILDING	LB	POUND
BOP	BOTTOM OF PIPE	LF	LINEAR FEET
BSMT	BASEMENT	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT	MBH	THOUSAND BTU PER HOUR
BTUH	BRITISH THERMAL UNITS PER HOUR	MCA	MINIMUM CIRCUIT AMPACITY
BV	BALANCING VALVE	MECH	MECHANICAL
CALC	CALCULATION	MFR	MANUFACTURER
CFH	CUBIC FEET PER HOUR	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	MISC	MISCELLANEOUS
CFS	CUBIC FEET PER SECOND	MS	MOP SINK
CI	CAST IRON	MTD	MOUNTED
CL	CENTERLINE	NC	NORMALLY CLOSED
CLG	CEILING OR COOLING	NIC	NOT IN CONTRACT
CO	CLEAN OUT	NO	NORMALLY OPEN
CONC	CONCRETE	OC	ON CENTER DISTANCE
CONN	CONNECT(ION)	OD	OVERFLOW DRAIN
CONT	CONTINUE(ED)(UATION)	OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
CP	CIRCULATING PUMP	PD	PLANTER DRAIN
CV	CHECK VALVE	P/FT	PITCH PER FOOT
DF	DRINKING FOUNTAIN	PG	PRESSURE GAUGE
DFU	DRAINAGE FIXTURE UNIT	PH	PHASE
DI	DEIONIZER	PIV	POST INDICATING VALVE
DIA	DIAMETER	PRV	PRESSURE REDUCING VALVE
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DR	DRAIN	PSIG	POUNDS PER SQUARE INCH (GAUGE)
DROP	DROP (WITHIN FLOOR)	R (RAD)	RADIUS
DWG	DRAWING	RISE	RISE (WITHIN FLOOR)
(E)	EXISTING	RD	ROOF DRAIN
EDR	EXPRESS DRAIN RISER	REV	REVISION
EFF	EFFICIENCY	REV	REVOLUTIONS PER MINUTE
ELEC	ELECTRICAL	SA	SHOCK ABSORBER
ELEV	ELEVATION	SAD	SEE ARCHITECTURAL
ENGR	ENGINEER	SE	SEWAGE EJECTOR
EQ	EQUAL	SECT	SECTION
EQUIP	EQUIPMENT	SF	SQUARE FOOT(FEET)
ET	EXPANSION TANK	SH	SHOWER
EW	ELECTRIC WATER COOLER	SIM	SIMILAR
EW	ELECTRIC WATER HEATER	SK	SINK
EWT	ENTERING WATER TEMPERATURE	SPEC	SPECIFICATION
EXIST	EXISTING	SS	SERVICE SINK
EXP	EXPANSION	SQ	SQUARE
F	DEGREES FAHRENHEIT	SQ IN	SQUARE INCH(ES)
FCO	FLOOR CLEANOUT	STL	STEEL
FD	FLOOR DRAIN	STRUCT	STRUCTURE(IAL)
FDC	FIRE DEPARTMENT CONNECTION	TDH	TOTAL DISCHARGE HEAD
FHC	FIRE HOSE CABINET	TEMP	TEMPERATURE
FHV	FIRE HOSE VALVE	TMV	TEMPERATURE MIXING VALVE
FHVC	FIRE HOSE VALVE CABINET	TOP	TOP OF PIPE
FILT	FILTER	TPV	TRAP PRIMER VALVE
FL	FLOOR	TS	TAMPER SWITCH
FLA	FULL LOAD AMPACITY	TSP	TOTAL STATIC PRESSURE
FLEX	FLEXIBLE	TYP	TYPICAL
FP	FIRE PUMP	UN	UNLESS OTHERWISE NOTED
FPD	FLUID PRESSURE DROP	UP	UP (PENETRATES FLOOR SLAB)
FPM	FEET PER MINUTE	UR	URINAL
FPS	FEET PER SECOND	V	VOLTS
FS	FLOW SWITCH	VB	VOLUME BREAKER
FSK	FLOOR SINK	VEL	VELOCITY
FT	FEET/FOOT	VERT	VERTICAL
FU	FIXTURE UNIT	VFD	VARIABLE FREQUENCY DRIVE
FUT	FUTURE	VTR	VENT THROUGH ROOF
GA	GAGE/GAUGE	W	WIDTH
GAL	GALLON	WC	WATER CLOSET
GALV	GALVANIZED	WCO	WALL CLEANOUT
GPH	GALLONS PER HOUR	WFU	WATER FIXTURE UNITS
GPM	GALLONS PER MINUTE	WG	WATER GAUGE
GV	GATE VALVE	WPD	WATER PRESSURE DROP
H	HEIGHT	WTD	WATER TEMPERATURE DROP
HB	HOSE BIBB	WTR	WATER TEMPERATURE RISE
HD	HUB DRAIN	W/	WITH
HORIZ	HORIZONTAL	W/O	WITHOUT
HP	HORSEPOWER	ZONE	ZONE
HT	HEAT TRACE		

PLUMBING PIPING			
---W---	W	WASTE (ABOVE GRADE OR FLOOR)	
---W---	W	WASTE (BELOW GRADE OR FLOOR)	
---PW---	PW	PUMPED WASTE (ABOVE GRADE OR FLOOR)	
---PW---	PW	PUMPED WASTE (BELOW GRADE OR FLOOR)	
---SD---	SD	STORM DRAIN (ABOVE GRADE OR FLOOR)	
---SD---	SD	STORM DRAIN (BELOW GRADE OR FLOOR)	
---PSD---	PSD	PUMPED STORM DRAIN (ABOVE GRADE OR FLOOR)	
---PSD---	PSD	PUMPED STORM DRAIN (BELOW GRADE OR FLOOR)	
---OD---	OD	OVERFLOW DRAIN (ABOVE GRADE OR FLOOR)	
---OD---	OD	OVERFLOW DRAIN (BELOW GRADE OR FLOOR)	
---D---	D	DRAIN (CONDENSATE/INDIRECT)	
---V---	V	VENT	
---CW---	CW	COLD WATER	
---HW---	HW	HOT WATER	
---RHW---	RHW	RECIRCULATING HOT WATER	
---TW---	TW	TEMPERED WATER	
---HTW---	HTW	140° HOT WATER	
---RHTW---	RHTW	140° RECIRCULATING HOT WATER	
---RTW---	RTW	RECIRCULATING TEMPERED WATER	
---LP---	LP	LOW PRESSURE COLD WATER	
---LP---	LP	LOW PRESSURE HOT WATER	
---LP---	LP	LOW PRESSURE RECIRCULATING HOT WATER	
---HP---	HP	HIGH PRESSURE COLD WATER	
---HP---	HP	HIGH PRESSURE HOT WATER	
---HP---	HP	HIGH PRESSURE RECIRCULATING HOT WATER	
---DWS---	DWS	DRINKING WATER SUPPLY (CHILLED)	
---DWR---	DWR	DRINKING WATER RETURN (CHILLED)	
---IW---	IW	ICE WATER	
---WW---	WW	WELL WATER	
---ICW---	ICW	INDUSTRIAL HOT WATER	
---IHW---	IHW	INDUSTRIAL COLD WATER	
---IRHW---	IRHW	INDUSTRIAL RETURN HOT WATER	
---G---	G	NATURAL GAS (LOW PRESSURE)	
---MG---	MG	NATURAL GAS (MEDIUM PRESSURE)	
---GV---	GV	GAS VENT	
---PT---	PT	PNEUMATIC TUBE	
---SHWS---	SHWS	SOLAR HOT WATER SUPPLY	
---SHWR---	SHWR	SOLAR HOT WATER RETURN	
---FOF---	FOF	FUEL OIL FILL	
---FOR---	FOR	FUEL OIL RETURN	
---FOS---	FOS	FUEL OIL SUPPLY	
---FOV---	FOV	FUEL OIL VENT	
---IRR---	IRR	IRRIGATION	
---NPW---	NPW	NON-POTABLE WATER	

SPECIALTY PIPING			
---AV---	AV	ACID VENT	
---AW---	AW	ACID WASTE (ABOVE GRADE OR FLOOR)	
---AW---	AW	ACID WASTE (BELOW GRADE OR FLOOR)	
---FW---	FW	FLUORIDE WASTE (ABOVE GRADE OR FLOOR)	
---FW---	FW	FLUORIDE WASTE (BELOW GRADE OR FLOOR)	
---DIS---	DIS	DEIONIZED WATER SUPPLY	
---DIR---	DIR	DEIONIZED WATER RETURN	
---DRC---	DRC	DEIONIZED WATER RECLAIM	
---EWS---	EWS	EMERGENCY EYEWASH & SHOWER	
---A---	A	COMPRESSED AIR	
---HPA---	HPA	HIGH PURITY AIR	
---DS---	DS	DISTILLED WATER	
---DCL---	DCL	DECHLORINATED WATER	
---RO---	RO	REVERSE OSMOSIS WATER	
---ROR---	ROR	REVERSE OSMOSIS RECIRCULATED WATER	
---PCW---	PCW	PROCESS COLD WATER	
---PGW---	PGW	PROCESS GREY WATER	
---CAS---	CAS	CLEAN AIR SUPPLY	
---CDA---	CDA	CLEAN DRY AIR	
---CO2---	CO2	CARBON DIOXIDE	
---O2---	O2	OXYGEN	
---N2---	N2	NITROGEN	
---H2---	H2	HYDROGEN	
---LN2---	LN2	LIQUID NITROGEN	
---Ar---	Ar	ARGON	
---N2O---	N2O	NITROUS OXIDE	
---CHL---	CHL	CHLORINE	
---CBG---	CBG	CARBONE	
---LP---	LP	LIQUIFIED PETROLEUM	
---SR---	SR	SILVER RECOVERY	
---PD---	PD	PUMPED DISCHARGE	
---VPD---	VPD	VACUUM PUMP DISCHARGE	
---DA---	DA	DENTAL AIR	
---MA---	MA	MEDICAL AIR	
---MVE---	MVE	MEDICAL EVACUATION EXHAUST	
---PV---	PV	PROCESS VACUUM	
---CV---	CV	HOUSECLEANING VACUUM	
---AV---	AV	ALUMINUM DUST VACUUM	
---DV---	DV	DENTAL VACUUM	
---LV---	LV	LAB VACUUM	
---EV---	EV	EVACUATION VACUUM	
---WMV---	WMV	WET MOP VACUUM	
---DMV---	DMV	DRY MOP VACUUM	
---ATV---	ATV	ATMOSPHERIC VENT	
---SL---	SL	SLURRY LINE	

PLUMBING SYMBOLS			
	TB	THRUST BLOCK	
	CO	CLEANOUT	
	WCO	WALL CLEANOUT	
	FCO	FLOOR CLEANOUT	
	CTG	CLEANOUT TO GRADE	
	FD	FLOOR DRAIN	
	AD	AREA DRAIN	
	CB	CATCH BASIN	
	FS	FLOOR SINK	
	RD	ROOF DRAIN	
	OD	OVERFLOW DRAIN	
	TD	TRENCH DRAIN	

SYMBOLS			
	A	ACCESS PANEL	
	B	BELOW GRADE / FLOOR	
	C	CONNECT TO EXISTING	
	E	EXISTING TO REMAIN	
	K	CAP EXISTING / CAP FOR FUTURE	
	R	RELOCATE EXISTING	
	X	REMOVE EXISTING	
	#	NUMBERED NOTE	
REVISION NUMBER			
	ET-XXX	UNIT NUMBER	
		DETAIL NUMBER	
		SYSTEM TYPE	
		EQUIPMENT	
		DETAIL CALLOUT	
		RISER TAG	

MISC. FITTINGS & SYMBOLS			
		DIRECTION OF FLOW	
		DIRECTION OF SLOPE	
		PIPE SLEEVE	
		REDUCER	
		ANCHOR	
		ELBOW (90°)	
		ELBOW (45°)	
		TEE	
		CROSS	
		PIPING CONNECTIONS	
		JOINT OR COUPLING POINT	
		UNION	
		FLANGED CONNECTION	
		PLUG OR BLIND FLANGE	
		CAP	
		ELBOW UP	
		ELBOW DOWN	
		TEE UP	
		TEE DOWN	
		HORIZONTAL TEE	
		FLEXIBLE CONNECTION	
		BALL JOINT	
		MECHANICAL COUPLING	
		HEAT TRACE	
		PIPE CONTINUATION	

FIRE PROTECTION SYMBOLS			
		SPRINKLER INSPECTOR TEST STATION	
		FIRE DEPARTMENT CONNECTION	
		STANDPIPE OUTLET	
		STANDPIPE ROOF CONNECTION	
		SPRINKLER FLOOR CONTROL VALVE ASSEMBLY	
		ALARM CHECK VALVE WITH ALL RELATED APPURTENANCES	
		UPRIGHT SPRINKLER HEAD	
		PENDANT SPRINKLER HEAD	
		SIDEWALL SPRINKLER HEAD	
		EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD	
		CONCEALED HEAD	
		FIRE HOSE VALVE CABINET	
		DRY PIPE VALVE ASSEMBLY	
		NEW FIRE HYDRANT	
		TAMPER SWITCH	

GENERAL NOTE	
THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.	

MISC. VALVES & COCKS			
		SHUT-OFF VALVE	
		GLOBE VALVE	
		SHUT-OFF VALVE W/ TAMPER SWITCH	
		TRIPLE DUTY VALVE	
		CHECK VALVE	
		2-WAY CONTROL VALVE	
		3-WAY CONTROL VALVE	
		BALANCING VALVE	
		FLOW CONTROL VALVE	
		SOLENOID VALVE	
		PRESSURE REDUCING VALVE	
		AIR VENT MANUAL	
		AIR VENT AUTOMATIC	
		ANGLE RELIEF VALVE	
		STRAINER	
		STRAINER WITH BLOWDOWN	
		DRAIN VALVE	
		HOSE BIBB	
		WALL HYDRANT	
		GROUND HYDRANT	
		STEAM TRAP	
		PRESSURE GAUGE	
		PRESSURE/TEMPERATURE TEST PLUG	
		THERMOMETER	
		FLOW SWITCH	
		TEMPERATURE TRANSMITTER	
		SHOCK ARRESTOR	
		VACUUM BREAKER	
		WATER FLOW METER	
		REDUCED PRESSURE BACKFLOW ASSEMBLY	
		DOUBLE CHECK VALVE ASSEMBLY	
		DOUBLE CHECK DETECTOR ASSEMBLY	
		BACKWATER VALVE	
		UNDERGROUND GATE VALVE W/BOX	
		UNDERGROUND GATE W/POST INDICATOR	
		OUTSIDE SCREW & YOKE	
		Y PATTERN BOILER BLOWDOWN VALVE	
		NON-RETURN STOP VALVE	
		QUICK OPENING BOILER BLOWDOWN VALVE	
		GAS COCK VALVE	
		RELIEF VALVE	
		MIXING VALVE	
		PUMP	

FIRE PROTECTION PIPING			
	FSP	FIRE STANDPIPE	
	FP	FIRE PROTECTION	
	SPR	FIRE SPRINKLER	
	DP	DRY PIPE SPRINKLER	
	PA	PRE-ACTION SYSTEM	
	WSP	WET STANDPIPE	
	DSP	DRY STANDPIPE	
	DR	SPRINKLER DRAIN PIPING	

DEMOLITION LEGEND	
	REMOVE EXISTING PIPE

NEW AND EXISTING WORK	
	EXISTING PIPING
	NEW PIPING

PLUMBING FIXTURE SCHEDULE							
TAG NUMBER	FIXTURE TYPE	ROUGH-IN SIZE (INCHES)			ELEC. CONNECTION	DESCRIPTION	NOTES
		W	V	CW			
EWG-1	ELECTRIC WATER COOLER	2	1-1/4	3/4	1.1	Y WALL HUNG, DUAL HEIGHT, ADA, BOTTLE FILLER	1
NOTES: 1. VERIFY VACUUM BREAKER IS PROVIDED AND MANUFACTURER'S WALL MOUNTING PLATE.							

PLUMBING DESIGN CRITERIA (OREGON)	
DOMESTIC WATER PIPING SYSTEM: BASIS OF DESIGN: 2017 OREGON PLUMBING SPECIALTY CODE, APPENDIX A 'RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM', PIPING SIZED ON 4 PSI/100 FT. DROP, VELOCITIES NOT TO EXCEED 8 FT./SEC. (COLD WATER) AND NOT TO EXCEED 5 FT./SEC. (HOT WATER).	
WASTE AND VENT PIPING SYSTEM: BASIS OF DESIGN: 2017 OREGON PLUMBING SPECIALTY CODE, CHAPTER 7, 'SANITARY DRAINAGE': ALL WASTE PIPING SIZED AT 1/4" I.P.T. SLOPE UNLESS OTHERWISE NOTED.	

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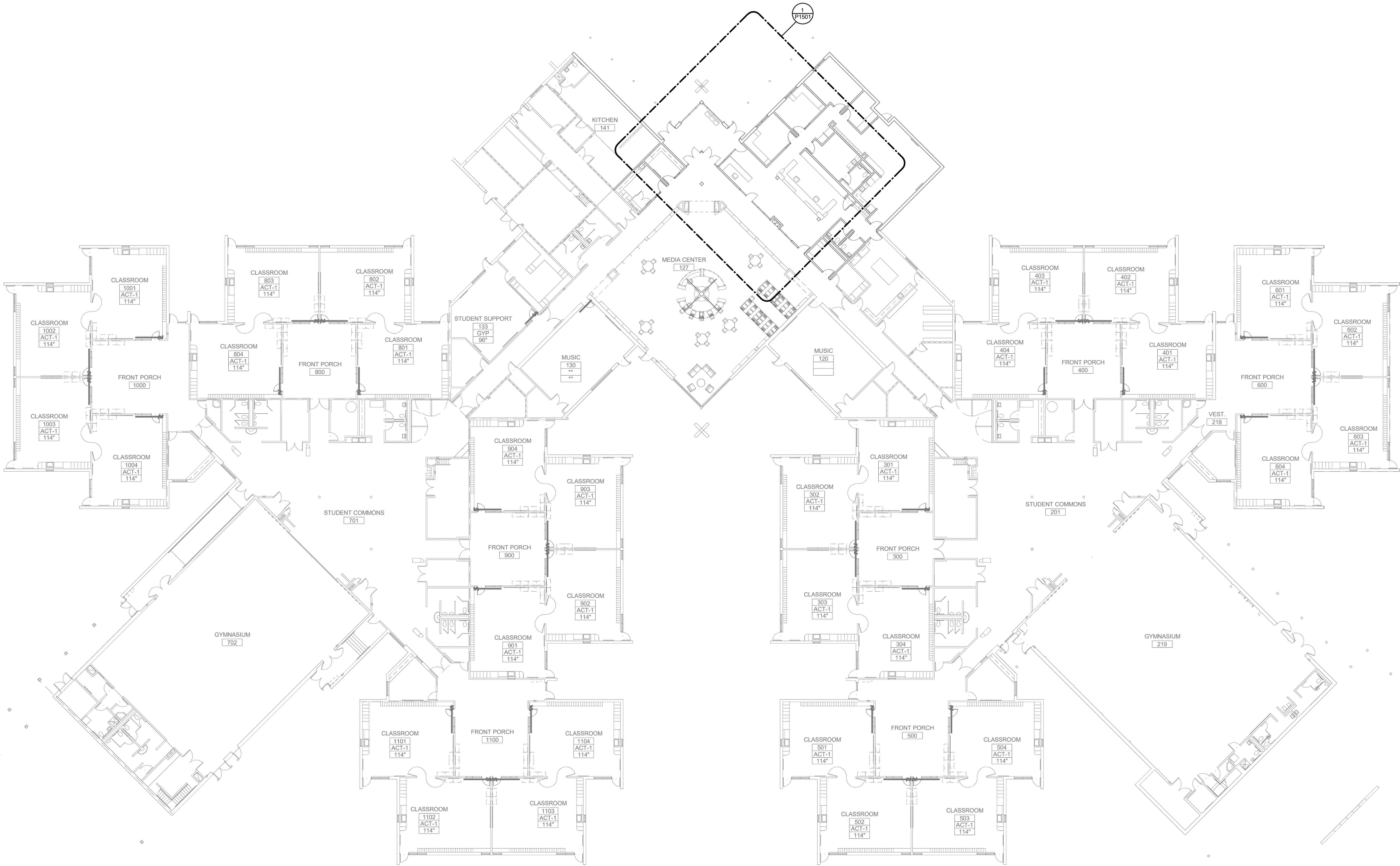
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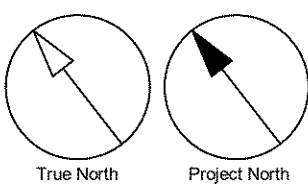
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1 LEVEL 01 PLAN - PLUMBING
1/16" = 1'-0"



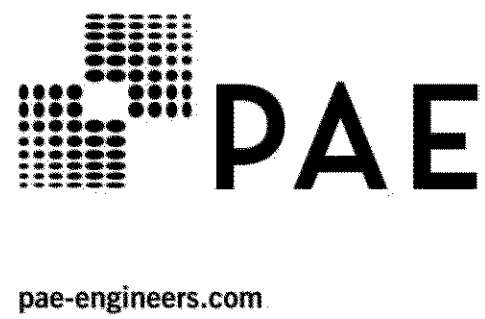
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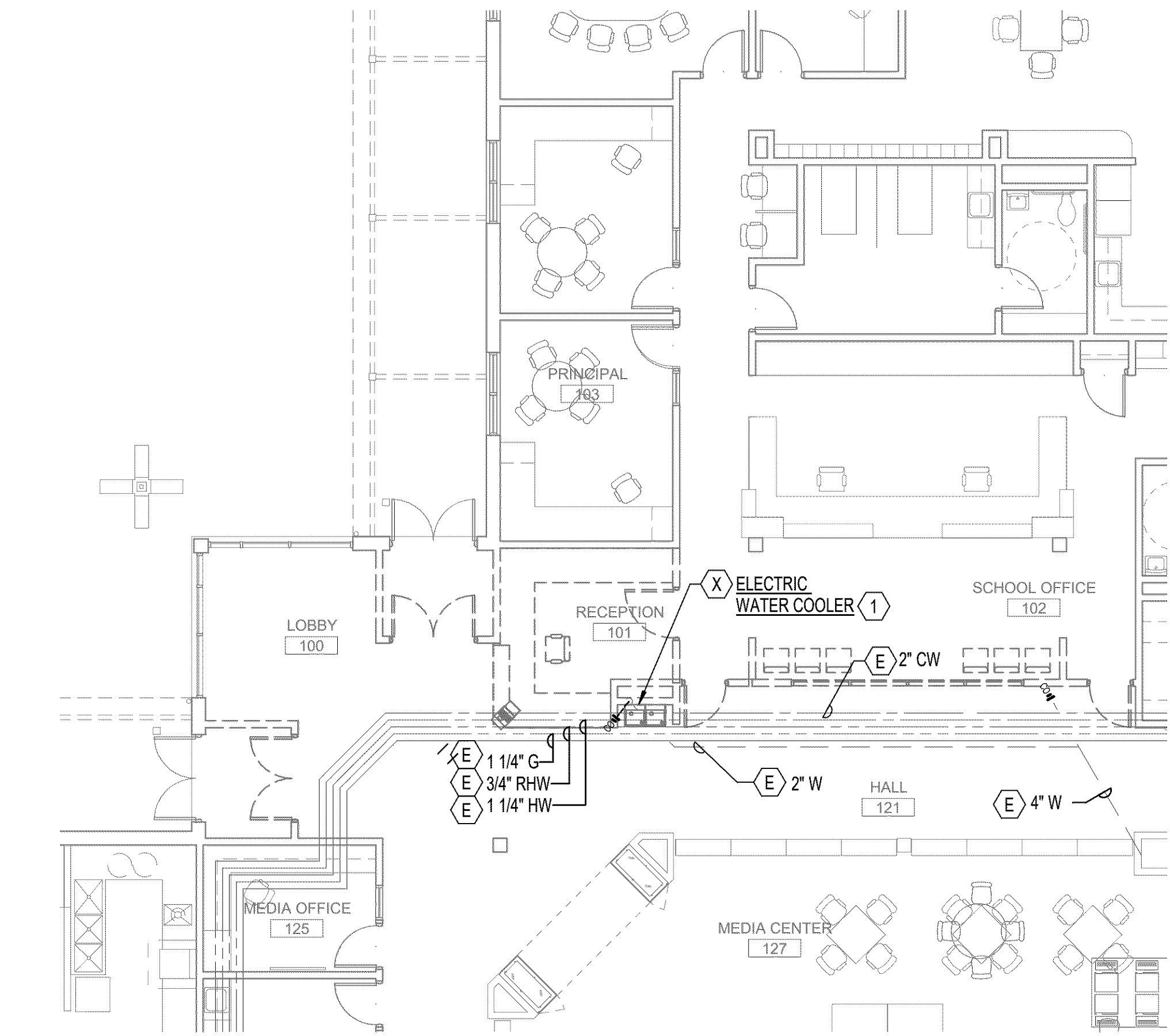
PROJECT
**BOONES FERRY SECURITY
UPGRADES**
11495 SW Wilsonville Rd
Wilsonville, OR
97070

PROJECT NO.: 124743
DRAWN BY: PFG
PROJECT MGR: MFS
CHECKED BY: PFG
APPROVED BY: NPC

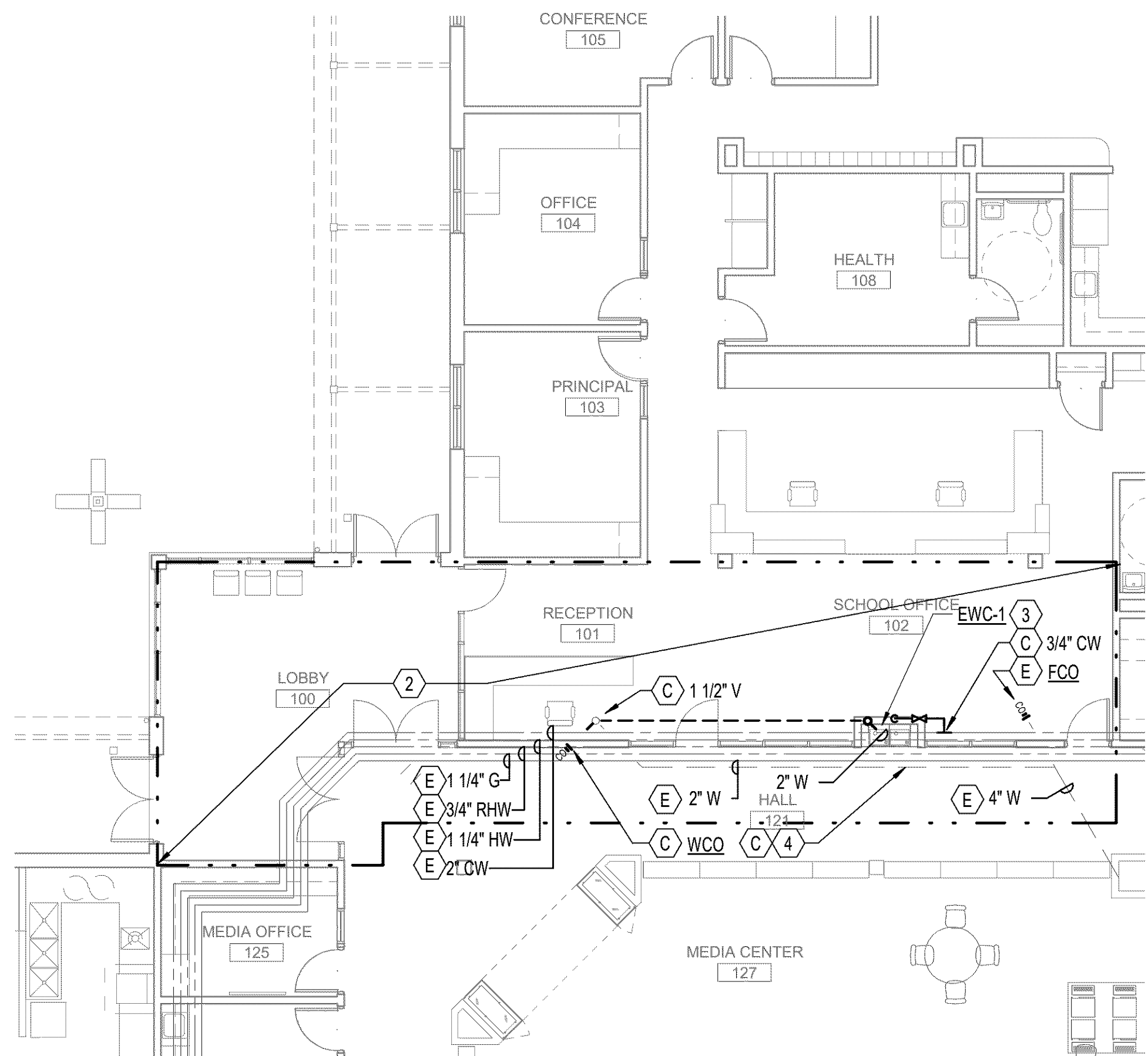
SHEET TITLE
**OVERALL FIRST FLOOR PLAN -
PLUMBING**

SHEET NUMBER
P1101
ISSUE

B:\180720-1183 - WILSON - Westlune Upgrades\20-1183 MEP20 CENTRAL.rvt 1/1



2 FLOOR PLAN - DEMOLITON - PLUMBING
1/8\"/>



1 FLOOR PLAN - NEW - PLUMBING
1/8\"/>

GENERAL NOTES:

- A. CONTRACTOR TO DETERMINE EXACT LOCATION OF EXISTING UTILITIES IN FIELD WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- B. DEMOLITION WORK SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING, ND ALL APPURTENANCES WHERE NOTED OR INDICATED ON THE PLANS.
- C. REMOVE EQUIPMENT, PIPING, AND ASSOCIATED ITEMS AS SHOWN OR RELATED TO EQUIPMENT TAGGED TO BE REMOVED. CAP PIPING AT NEAREST LIVE BRANCH. CAP WASTE PIPING BELOW FINISHED FLOOR.
- D. WHERE A PLUMBING FIXTURE OR DEVICE IS SHOWN TO BE DEMOLISHED, REMOVE CW, HW, VENT, AND WASTE SERVING THAT FIXTURE BACK TO MAINS AND CAP.
- E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE WORK WITH THAT OF ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO: ELECTRICAL, HVAC, SPRINKLER, PLUMBING, STRUCTURAL, AND GENERAL ARCHITECTURE.
- F. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- G. VERIFY EXACT SIZES, LOCATIONS, INVERTS, AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
- H. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. PRIOR TO PROCEEDING WITH WORK NOTIFY ARCHITECT ABOUT ANY DISCREPANCIES BETWEEN THE DESIGN DOCUMENTS AND FIELD CONDITIONS.
- I. ALL EXISTING FIRE PROTECTION SYSTEMS, PIPING, AND EQUIPMENT OUTSIDE OF PROJECT SCOPE TO REMAIN ACTIVE.
- J. FIRE PROTECTION SYSTEM SHALL REMAIN FULLY FUNCTIONAL DURING ENTIRE CONSTRUCTION PHASE.
- K. MODIFY THE EXISTING PIPING DISTRIBUTION AS NEEDED AND INSTALL NEW QUICK RESPONSE SPRINKLER HEADS THROUGHOUT THE PROJECT AREA TO PROVIDE FULL AREA COVERAGE AS REQUIRED BY NFPA 13.

NOTES:

1. DEMO EXISTING ELECTRIC WATER COOLER, DEMO CW, HW, VENT, AND WASTE BACK TO NEAREST MAIN AND CAP. CAP WASTE PIPING BELOW FINISHED FLOOR.
2. PROVIDE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 AND LOCAL FIRE CODE. REFER TO SPECIFICATIONS FOR DESIGN BUILD REQUIREMENTS. REFER TO PLANS FOR COORDINATION WITH OTHER CEILING MOUNTED EQUIPMENT. ARCHITECT TO HAVE FINAL SIGN OFF ON SPRINKLER PIPING AND PIPE ROUTING. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR FULL SPRINKLER DESIGN, INCLUDING COORDINATED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.
3. INSTALL NEW ELECTRIC WATER COOLER (BOTTLE FILLER) AS SHOWN ON ARCHITECTURAL DRAWINGS. ROUTE NEW CW PIPING AND CONNECT TO NEAREST EXISTING MAIN. VERIFY VACUUM BREAKER IS PROVIDED IN ACCORDANCE WITH MANUFACTURER'S CERTIFIED INSTALLATION DRAWINGS.
4. SAWCUT NEW WASTE PIPE ROUTE AS NEEDED AND CONNECT TO NEAREST EXISTING WASTE MAIN.

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pae-engineers.com

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PROJECT
**BOONES FERRY SECURITY
UPGRADES**
11495 SW Wilsonville Rd
Wilsonville, OR
97070

PROJECT NO. 124743 **WL BID PACK 19045.009**

DRAWN BY: PFG **CHECKED BY:** PFG

PROJECT MGR: MFS **APPROVED BY:** NPC

SHEET TITLE
ENTRY PLANS - PLUMBING

SHEET NUMBER
P1501

ISSUE


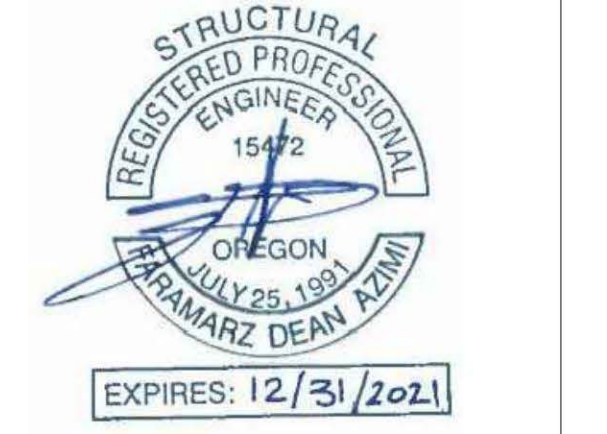
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Portland, OR | Bend, OR | Denver, CO.
froelich-engineers.com | FE# 20-T053

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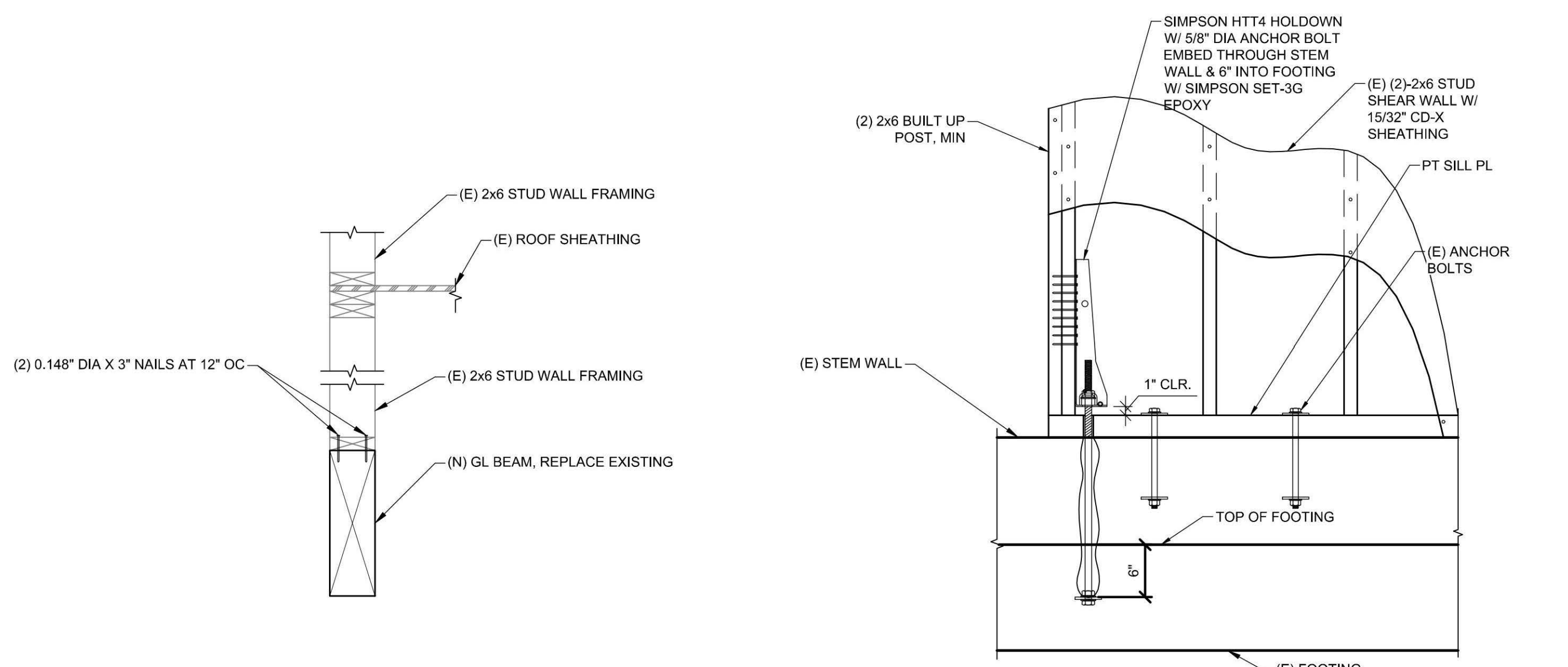
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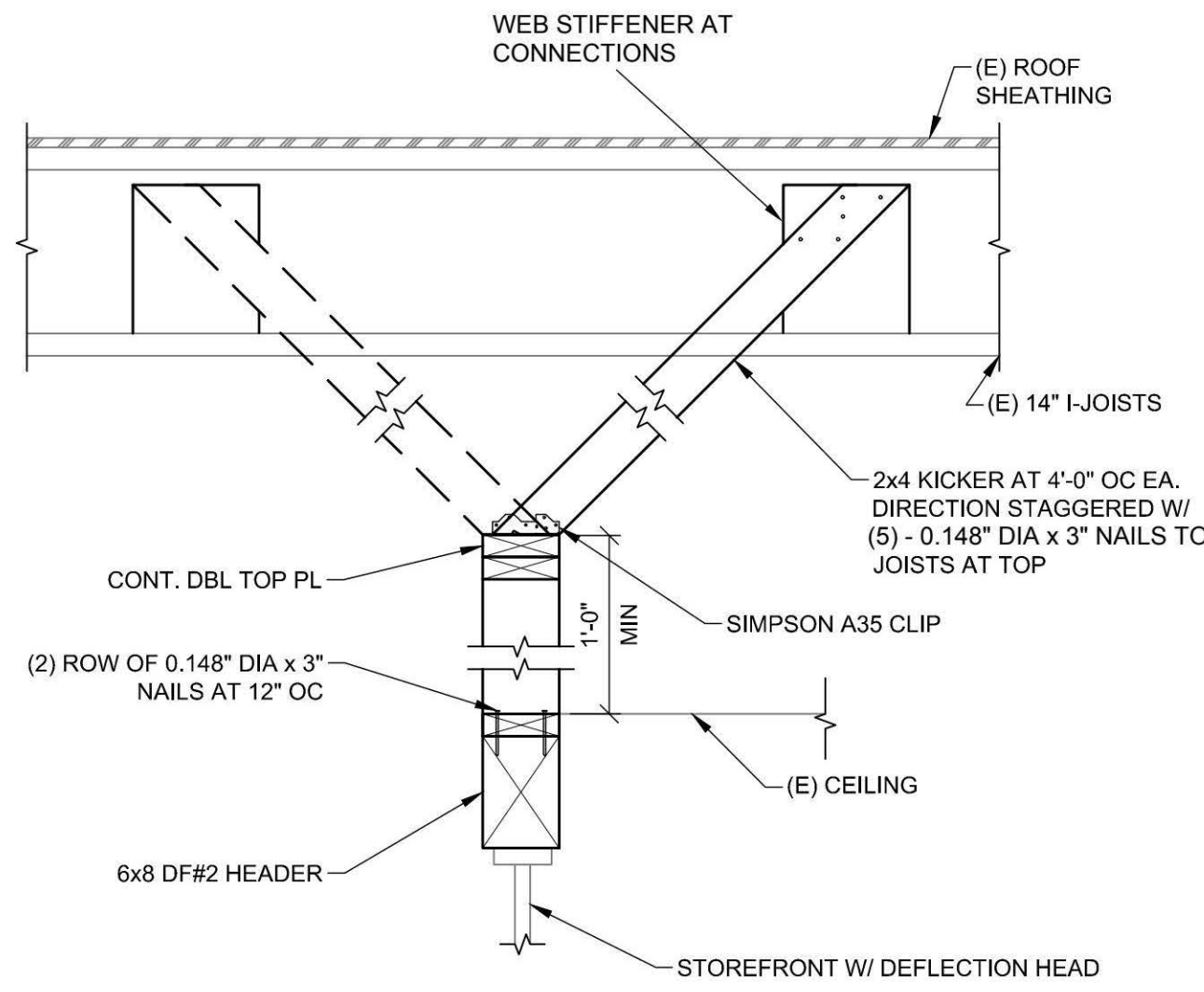
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PROJECT MGR: Designer	APPROVED BY: Approver	
SHEET TITLE		

PLANS

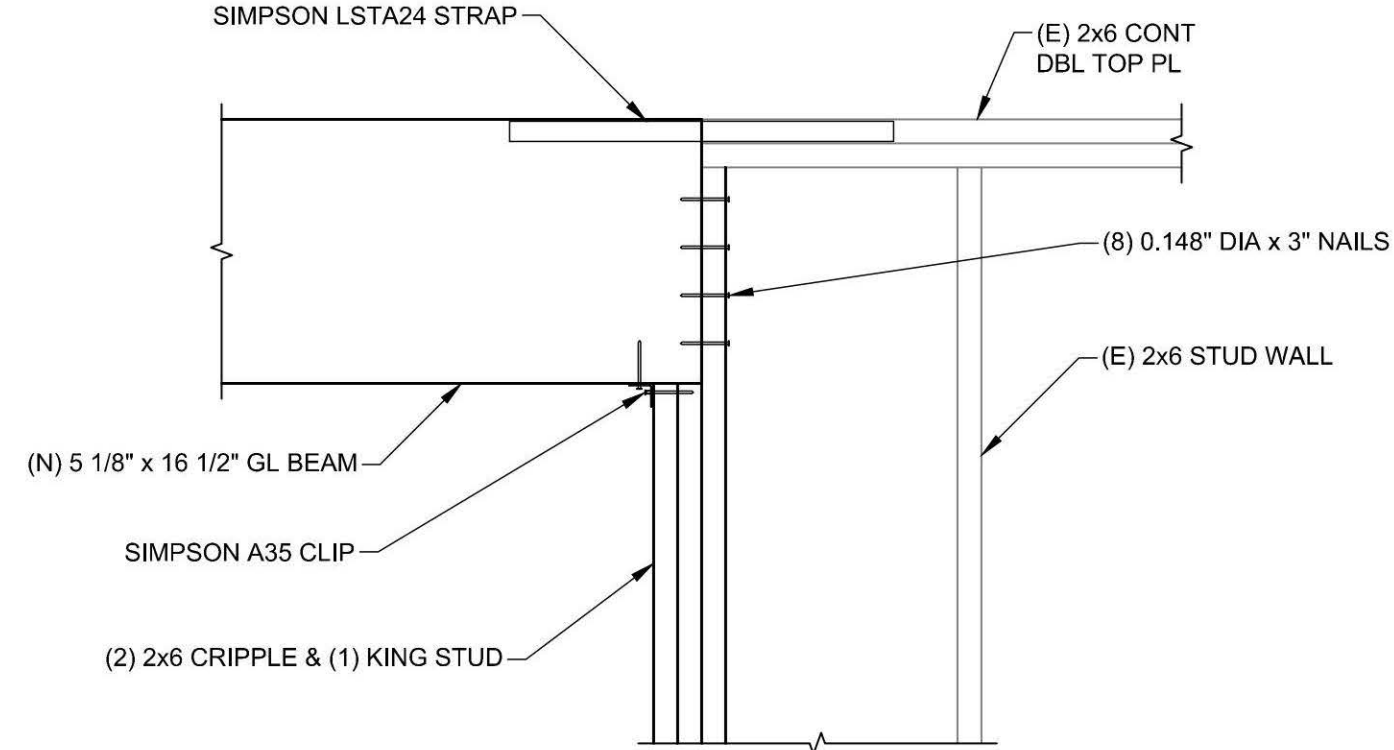
SHEET NUMBER	ISSUE	SCALE CHECK
S1501		



5 NEW GLULAM BEAM
S1501 SCALE: 1" = 1'-0"



6 TOP CONDITION AT INTERIOR STOREFRONT
S1501 SCALE: 1" = 1'-0"



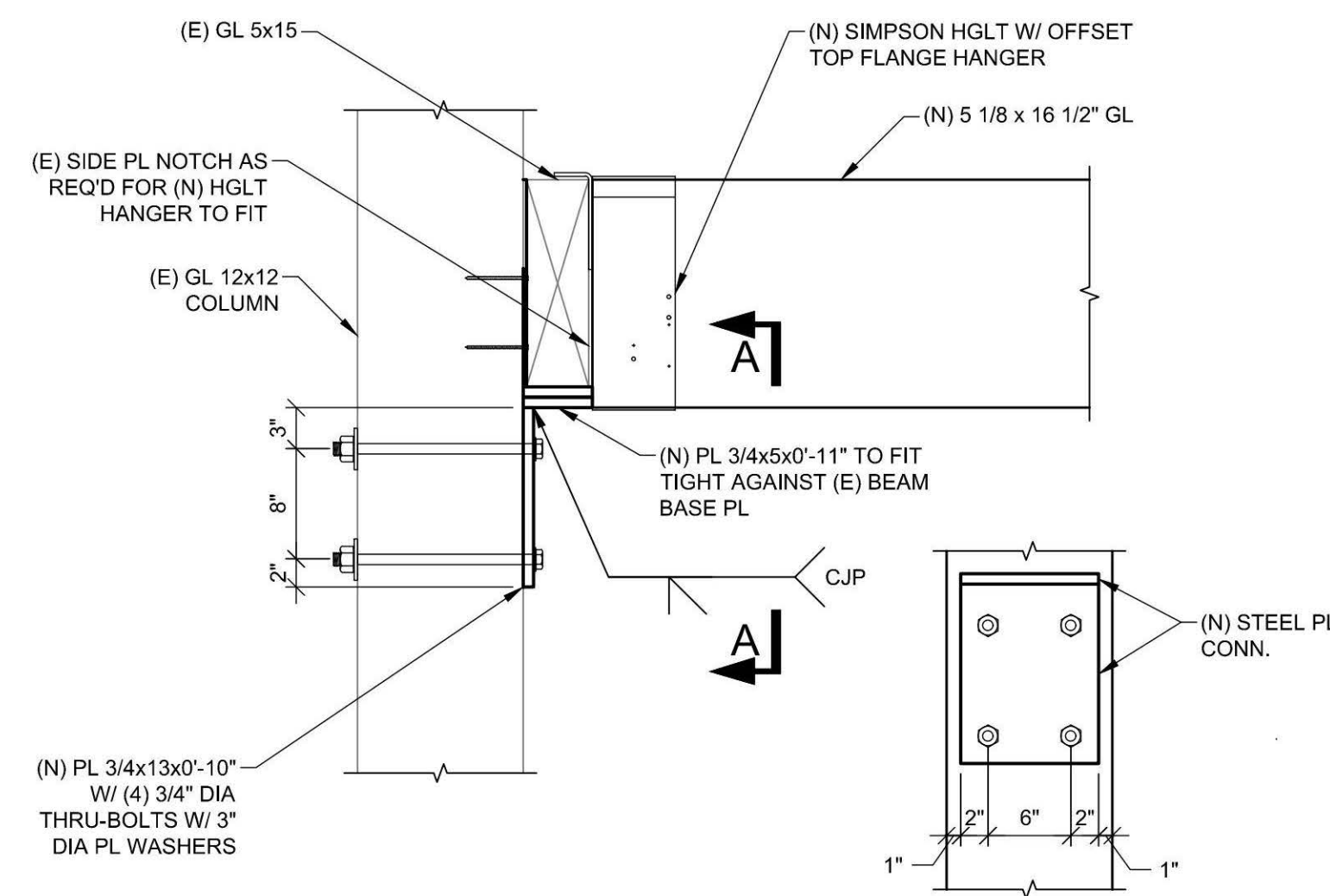
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S1501

BUILT UP POST AT NEW BEAM

SCALE: 1" = 1'-0"

20-T053

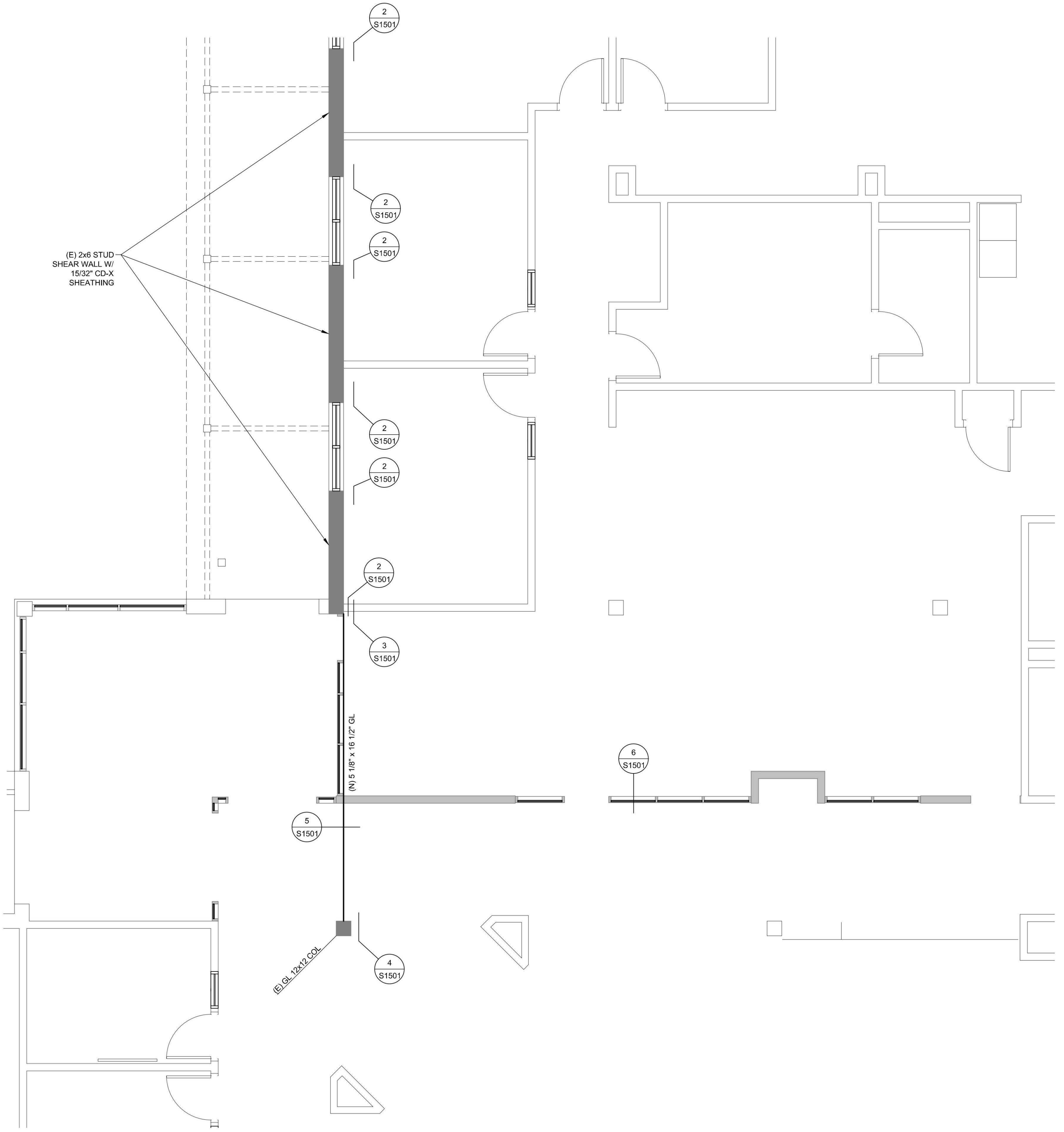


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S1501

SCALE: 1" = 1'-0"

20-T053



1
S1501

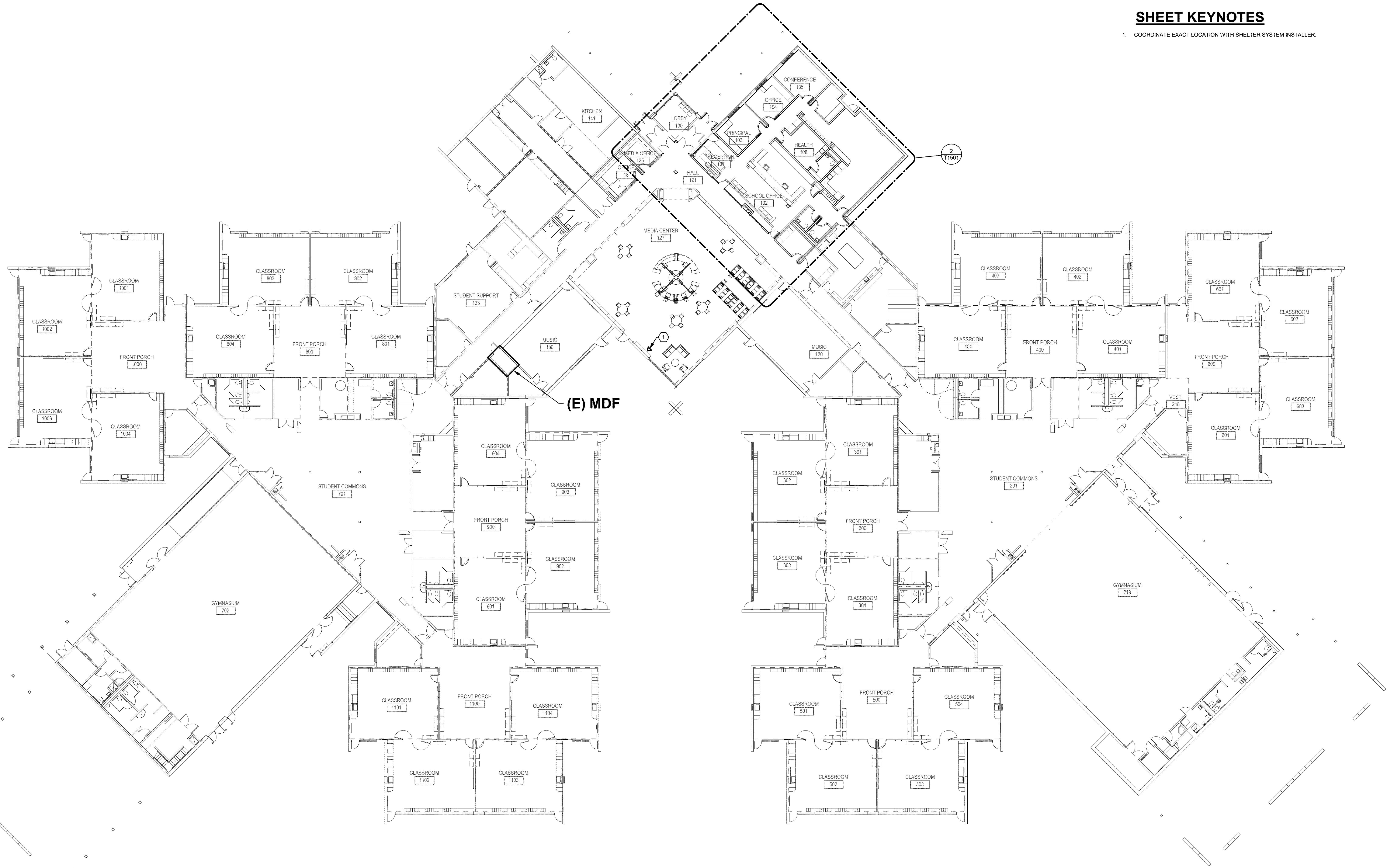
FLOOR PLAN

SCALE: 1/4" = 1'-0"
20-T053

5/4/2020 2:24:01 PM

1 LEVEL 01 PLAN - TECHNOLOGY

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



SHEET KEYNOTES

1. COORDINATE EXACT LOCATION WITH SHELTER SYSTEM INSTALLER.

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CONTACT EMAIL: denny@vertex-tech.com

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PROJECT MGR:
Designer

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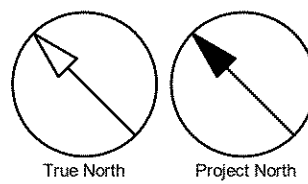
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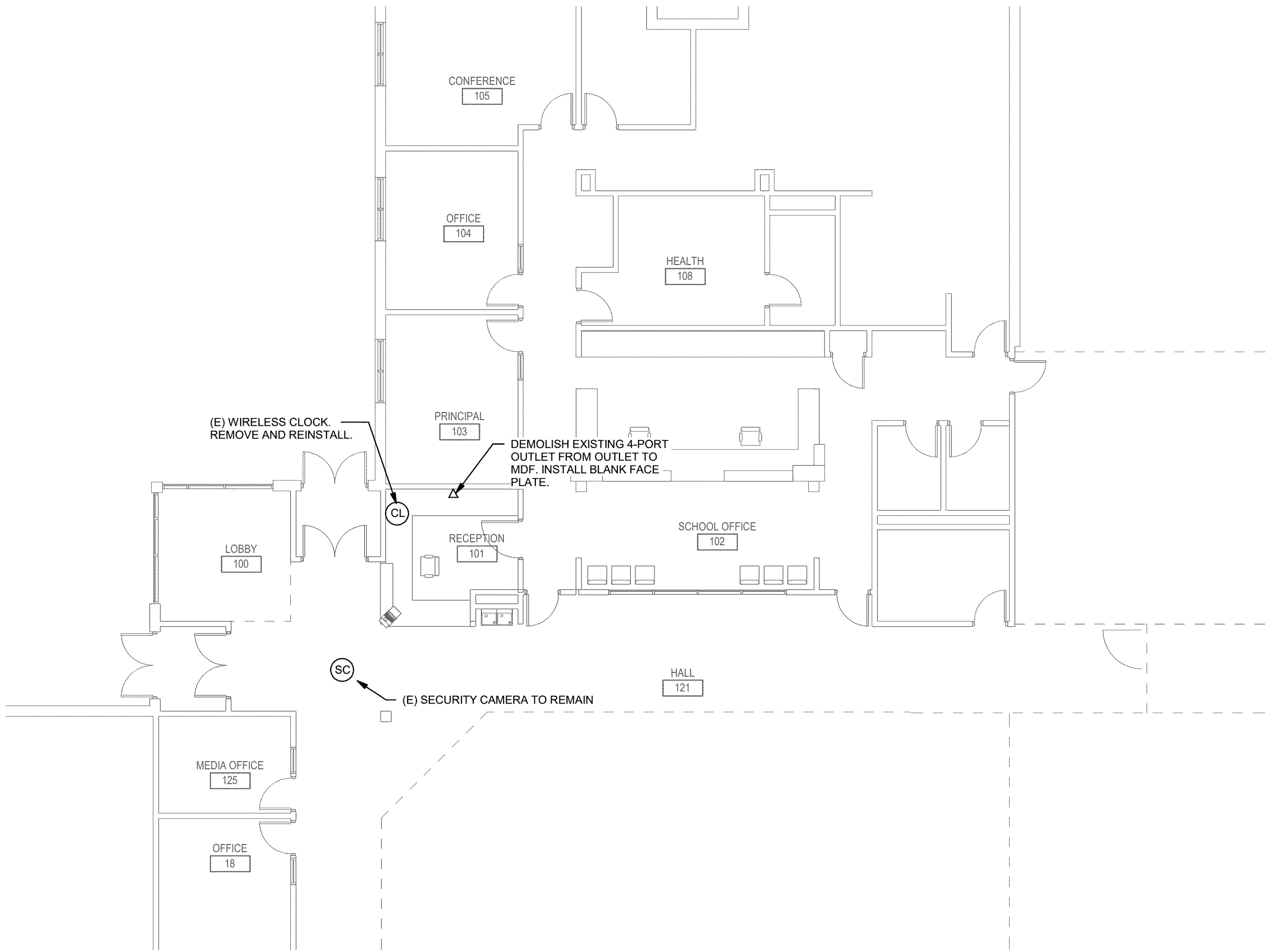
SHEET TITLE
OVERALL FIRST FLOOR PLAN -
TECHNOLOGY

SHEET NUMBER
T1101

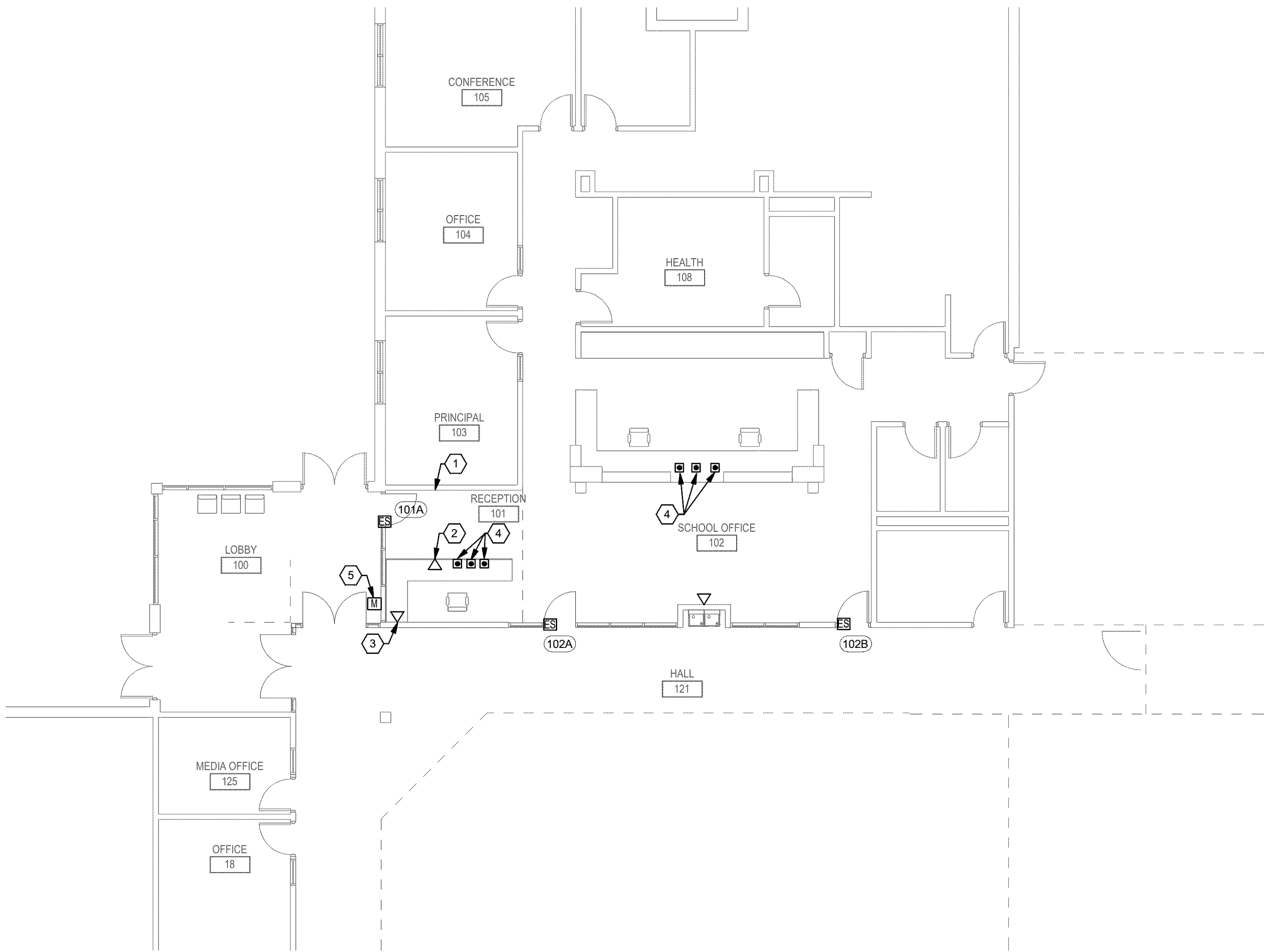
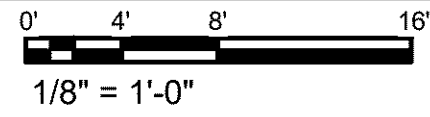
ISSUE



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1 FLOOR PLAN - DEMOLITION - TECHNOLOGY



2 FLOOR PLAN - NEW - TECHNOLOGY



SHEET KEYNOTES

1. REINSTALL WIRELESS CLOCK.
2. INSTALL WITHIN CABINETRY.
3. 2\"/>
4. DOOR CONTROL BUTTON LOCATION, COORDINATE WITH ARCHITECTURAL DRAWINGS AND STANLEY INSTALLATION CONTRACTOR.
5. FLOOR MOUNTED MAGNETIC HOLD OPEN, COORDINATE WITH DOOR HARDWARE SCHEDULE FOR BACKBOX TYPE.

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CONTACT NUMBER: 503.301.8568
CONTACT EMAIL: darr@vertextech.com

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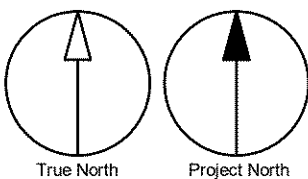


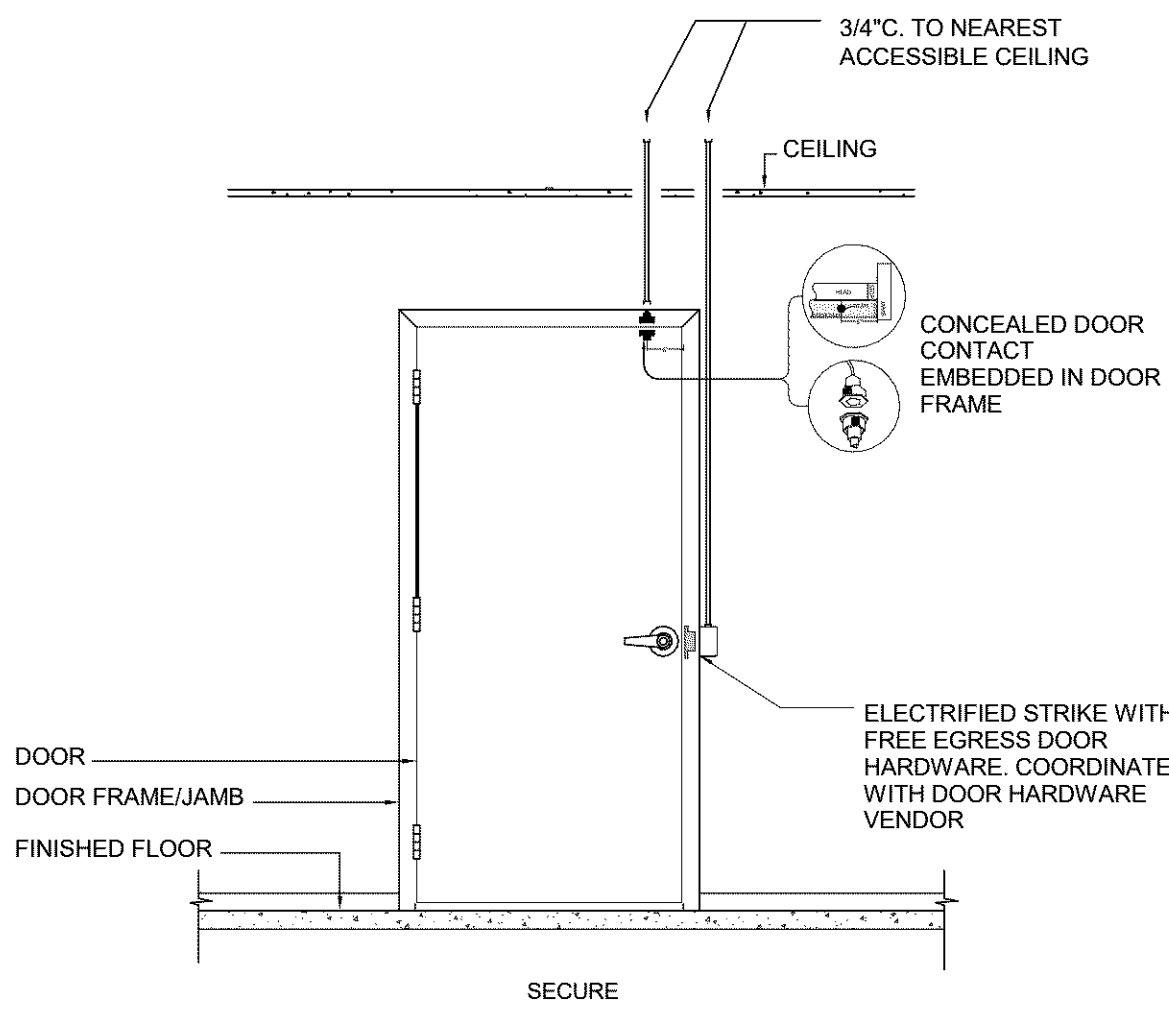
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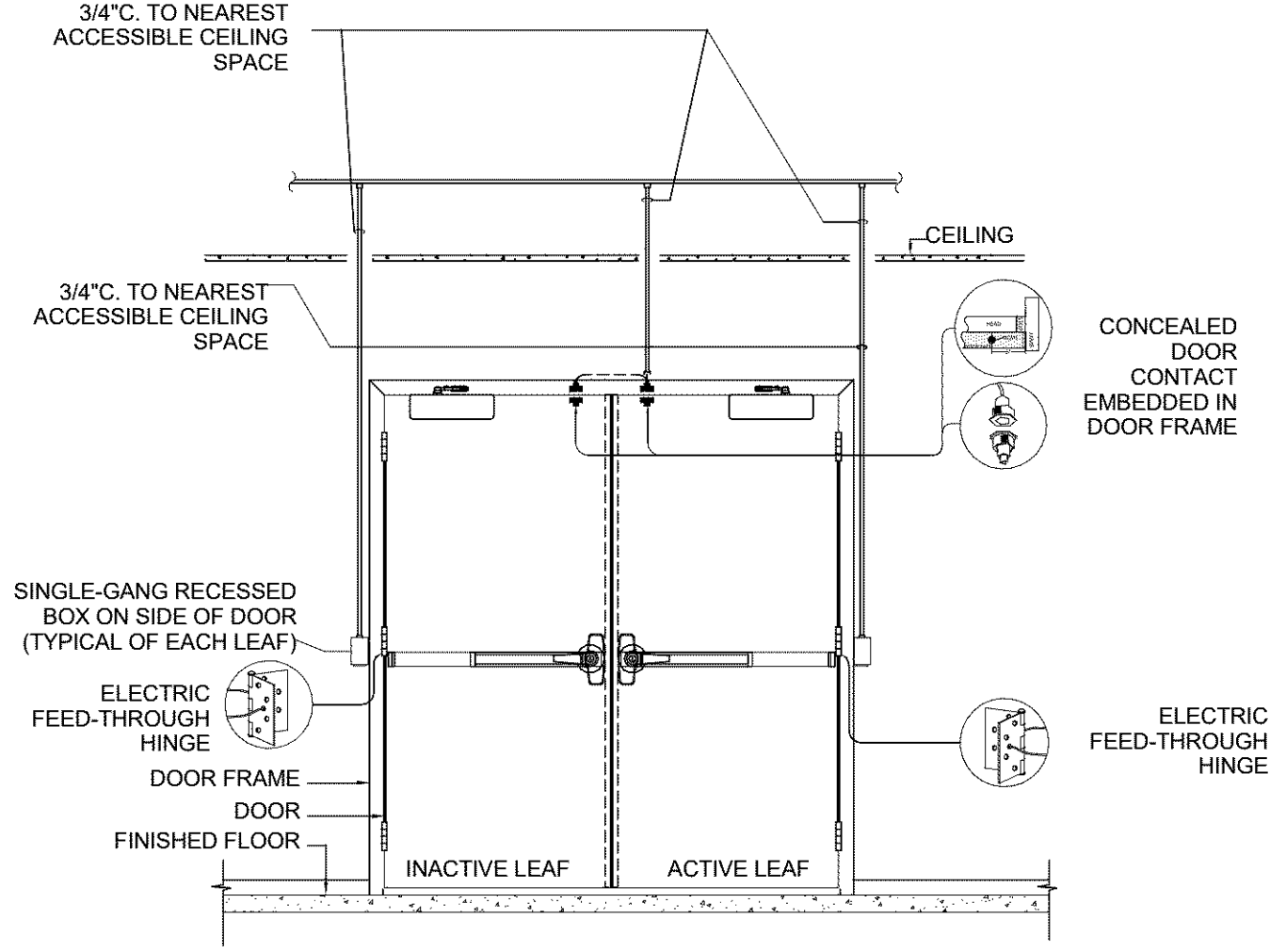
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ENTRY PLANS - TECHNOLOGY

SHEET NUMBER
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2 SINGLE DOOR PATHWAY DETAIL
NO SCALE



1 DOUBLE DOOR PATHWAY DETAIL
NO SCALE

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SHEET TITLE
DETAILS - TECHNOLOGY

SHEET NUMBER T1601	ISSUE
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TECHNOLOGY SYMBOL LIST

ABBREVIATIONS

(E)	EXISTING
(N)	NEW
(X)	DEMOLISH
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
CATV	CABLE TELEVISION
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
IDF	INTERMEDIATE DISTRIBUTION FRAME
MDF	MAIN DISTRIBUTION FRAME
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
QTY	QUANTITY
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF

SECURITY

	3/4\"/>
	SINGLE GANG BACKBOX WITH 3/4\"/>
	3/4\"/>
	3/4\"/>
	3/4\"/>
	SINGLE GANG BACKBOX WITH 3/4\"/>

EQUIPMENT ROOMS

	2-POST EQUIPMENT RACK
	4-POST EQUIPMENT RACK
	DOUBLE-SIDED VERTICAL WIRE MANAGEMENT
	ENCLOSED CABINET

GENERAL

	DEMOLISH
	CONTINUATION
	DETAIL NUMBER AND SHEET LOCATION
	KEYED NOTE
	SECTION NUMBER AND SHEET LOCATION

RACEWAYS

	COMMUNICATIONS CABLE RUNWAY
	CONDUIT ABOVE GRADE
	CONDUIT BELOW GRADE OR SLAB
	CONDUIT DOWN
	CONDUIT SLEEVE
	CONDUIT UP
	CONDUIT/WIRING CONTINUATION
	GROUNDING POINT
	HANDHOLE
	COMMUNICATIONS VAULT
	COMMUNICATIONS BACKBOARD
	WIRE BASKET CABLE TRAY

COMMUNICATIONS

	STANDARD COMMUNICATIONS OUTLET WITH (3) CAT6A CABLE(S) TO NEAREST MDF/IDF AND 1\"/>
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GENERAL SHEET NOTES

- A. COMMUNICATIONS RACEWAYS, TRAYS, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. LOCATIONS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. FIELD COORDINATE ALL WORK WITH OTHER TRADES.
- B. CONSTRUCTION DETAILS SHOW TYPICAL INSTALLATION, UON, AND APPLY TO ALL COMMUNICATIONS WORK INCLUDED IN THE SUMMARY OF WORK FOR THIS PACKAGE EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE PLAN DRAWINGS.
- C. INSTALL PULL STRINGS IN ALL CONDUITS AT THE TIME OF CONDUIT AND CABLE INSTALLATION.

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SHEET INDEX

TG0000	SYMBOL LIST AND GENERAL NOTES - TECHNOLOGY
T1101	OVERALL FIRST FLOOR PLAN - TECHNOLOGY
T1501	ENTRY PLANS - TECHNOLOGY
T1601	DETAILS - TECHNOLOGY

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SHEET TITLE
SYMBOL LIST AND GENERAL
NOTES - TECHNOLOGY

SHEET NUMBER TG0000	ISSUE
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