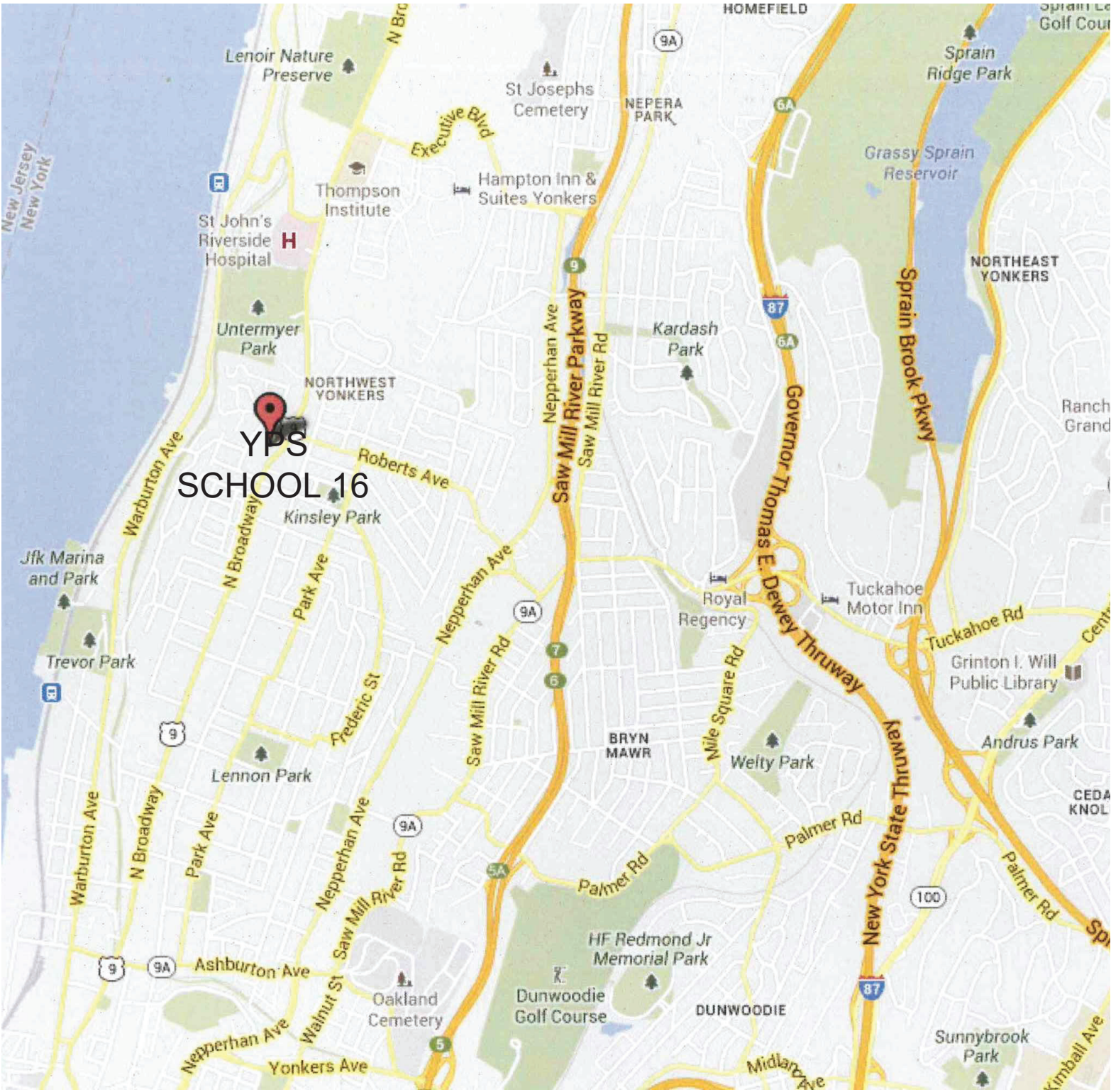


NO.	ISSUANCE	DATE	REVISION
1	SED FOR BUILDING PERMIT	01/14/2019	
2	ISSUED FOR BID	09/15/2019	
3	ISSUED FOR BID	11/16/2020	

LIST OF DRAWINGS		
DRAWING NUMBER	DRAWING TITLE	CONTRACT WORK #
GENERAL		
	YPS PROJECT TITLE SHEET	
C-001	GENERAL NOTES, SYMBOLS, LEGENDS AND ABBREVIATIONS	
CIVIL		
C-100	DRAINAGE IMPROVEMENTS PLAN AND DETAILS	
HAZARDOUS MATERIALS		
AA100	PART BASEMENT ABATEMENT PLAN	
AA101	PART FIRST FLOOR ABATEMENT PLAN	
ARCHITECTURAL		
A-032	SITE DETAILS	
A-100	BASEMENT AND FIRST FLOOR LEVEL REMOVAL PLANS AND SCOPE NOTES	
A-101	BASEMENT AND FIRST FLOOR LEVEL CONSTRUCTION PLAN AND SCOPE NOTES	
A-200	EXTERIOR ELEVATIONS – NORTH	
A-201	EXTERIOR ELEVATIONS – WEST	
A-202	EXTERIOR ELEVATIONS – SOUTH	
A-203	EXTERIOR ELEVATIONS – EAST	
A-800	DOOR SCHEDULE, MILLWORK DETAILS AND INTERIOR ELEVATIONS	
A-801	BASEMENT AND FIRST FLOOR FINISH PLANS	
A-802	GYM INTERIOR ELEVATIONS & INTERIOR DETAILS	
HVAC		
H101.00	LEGEND, NOTES, PART BASEMENT PLANS SCHEDULES AND NOTES	
H102.00	SCHEDULES AND DETAILS	
PLUMBING		
P101.00	LEGEND, PART BASEMENT PLANS, SCHEDULES AND NOTES	
ELECTRICAL		
E001.00	LEGEND, ABBREVIATIONS AND GENERAL NOTES	
E101.00	BASEMENT AND FIRST FLOOR ELECTRICAL REMOVALS PLAN	
E102.00	FIRST FLOOR REMOVAL PLAN	
E103.00	SECOND FLOOR REMOVAL PLAN	
E201.00	BASEMENT AND FIRST FLOOR ELECTRICAL LIGHTING PLAN	
E301.00	BASEMENT AND PARTIAL FIRST FLOOR ELECTRICAL POWER PLAN	
E302.00	FIRST FLOOR ELECTRICAL PLAN	
E303.00	SECOND FLOOR ELECTRICAL PLAN	
E601.00	ELECTRICAL SCHEDULES RISER AND DETAILS	
E602.00	ELECTRICAL DETAILS	
SECURITY		
SE-000	COVER SHEET/LEGEND AND INDEX	
SE-100	SECURITY UPDATE PROJECT – BASEMENT	
SE-101	SECURITY UPDATE PROJECT – FIRST FLOOR	
SE-102	SECURITY UPDATE PROJECT – SECOND FLOOR	
SE-200-B	SECURITY RISER DIAGRAM – FIRST FLOOR & SECOND FLOOR	
SE-201-B	SECURITY RISER DIAGRAM – SECOND FLOOR & THIRD FLOOR	
SE-300	CLOSED ELEVATIONS	
SE-303	CCTV ONE LINE DIAGRAM	
SE-700	ISTAR – VERALL SCHEMATIC SECURITY	
SE-701	DEVICE & POWER CONNECTION	
SE-702A	ULTRA SE TYPICAL WIRING DIAGRAM FRO 16 CR DOORS W/ MOTION REX	
SE-702B	ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS W/ BUILT-IN REX	
SE-703	SECURITY EQUIPMENT DETAIL 1 – (DOOR TYPICALS)	
SE-703A	SECURITY EQUIPMENT DETAIL 1A – (DOOR TYPICALS)	
SE-704	SECURITY EQUIPMENT DETAIL 2 – (ACCESS DEVICE TYPICALS)	
SE-705	SECURITY EQUIPMENT DETAIL 3 – (DEVICE TYPICALS)	
SE-706	SECURITY EQUIPMENT DETAIL 4 – (CCTV TYPICALS)	



PROJECT LOCATION MAP
SCALE: N.T.S.

DESIGN TEAM

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YONKERS PUBLIC SCHOOLS

One Larkin Center, Yonkers, New York 10701

RESTORATION OF BUILDING ENVELOPE, INTERIORS, SECURITY AND SITE
SCHOOL 16



YONKERS PUBLIC SCHOOLS

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SED # 66-23-00-01-0-016-009 YPS JOB # 10845

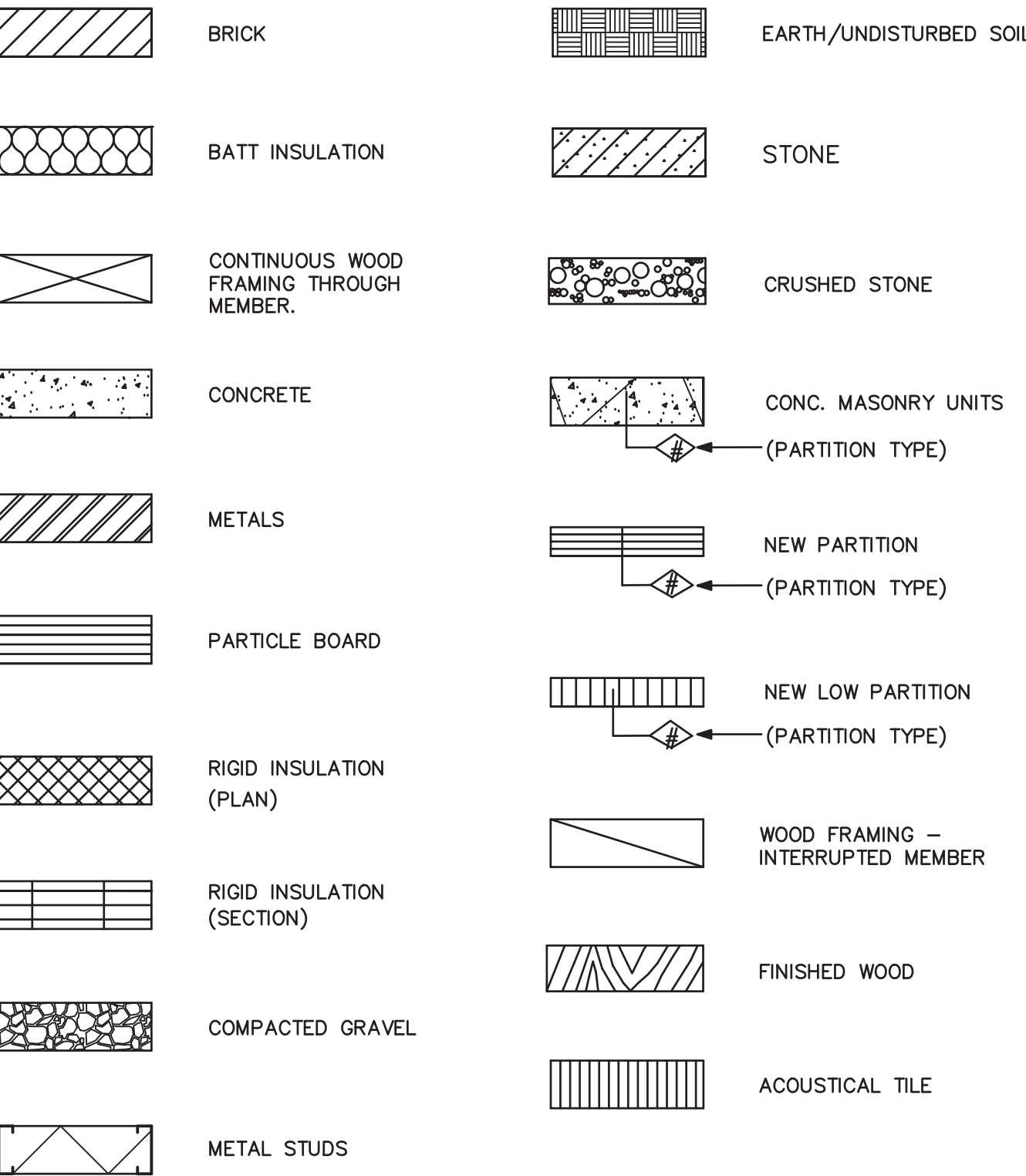
NOV. 16, 2020



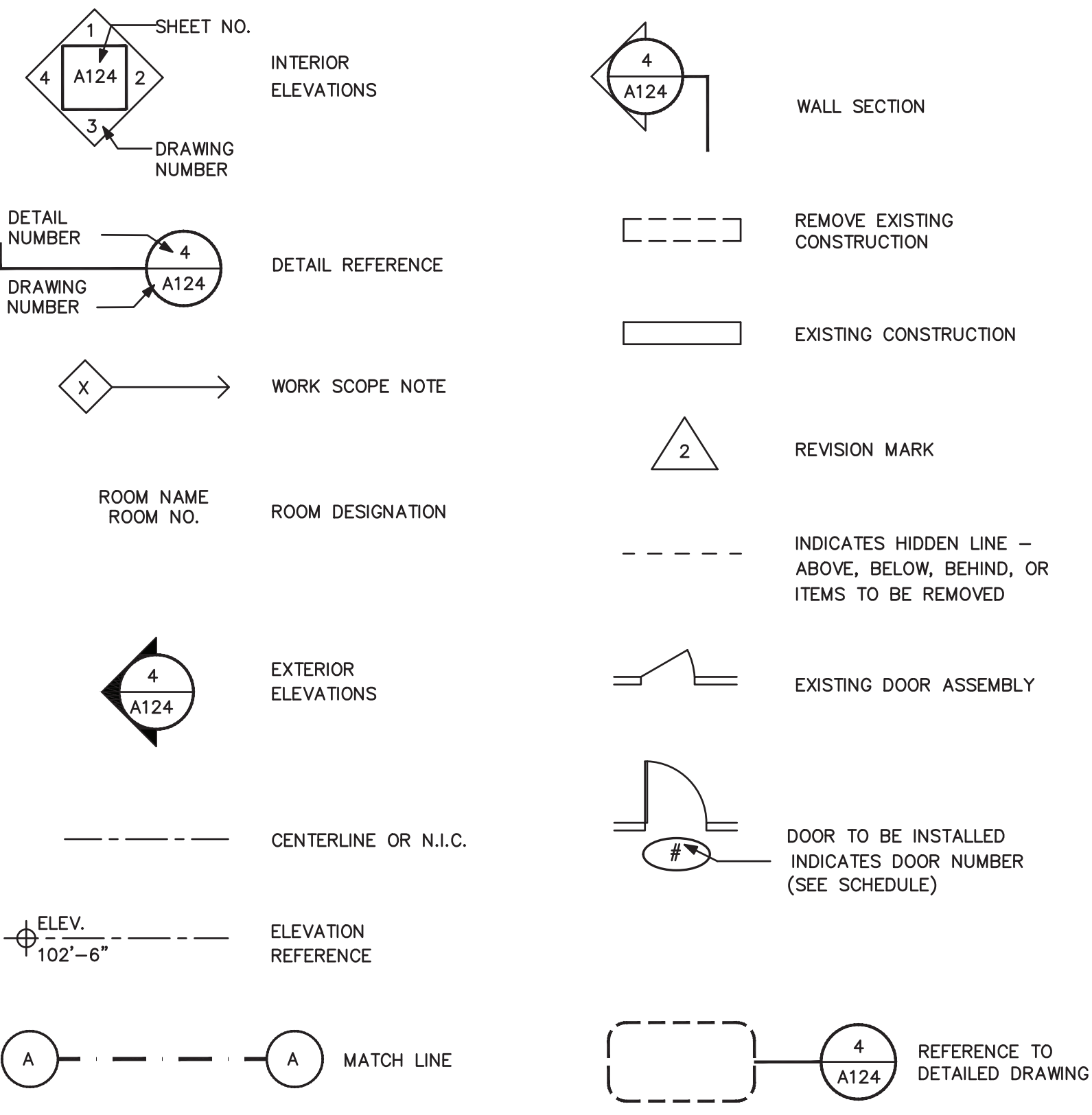
ABBREVIATIONS:

&	— AND	FTG	— FOOTING	PART	— PARTIAL
AC	— AIR CONDITIONING UNIT (S)	F.P.	— FIRE PROOF	PC	— PLUMBING CONTRACTOR
ACM	— ASBESTOS CONTAINING MATERIAL	FT	— FOOT OR FEET	PLT	— PLATE
ACT	— ACOUSTICAL CEILING TILE	GA	— GAUGE	PLUMB	— PLUMBING
ADJ	— ADJACENT	GAL	— GALLONS	PLYWD	— PLYWOOD
AFF	— ABOVE FINISH FLOOR	GALV	— GALVANIZED	PNL	— PANEL
AHU	— AIR HANDLER UNIT	G.C	— GENERAL CONSTRUCTION	PNT	— PAINT
ALUM	— ALUMINUM	GEN	— GENERAL	PREFAB	— PREFABRICATED
ALT	— ALTERNATE	QL	— GLASS	PT	— PAINT
APPROX	— APPROXIMATE	GYP. BD	— GYPSUM BOARD	QT	— QUARRY TILE
ARCH	— ARCHITECTURAL			QTY	— QUANTITY
AVG	— AVERAGE				
		H	— HEIGHT	R	— RISER/RADIUS
BITUM	— BITUMINOUS	H.B.	— HOSE BIB	RD	— ROOF DRAIN
BLDG	— BUILDING	HC	— HEATING, VENTING, AND AIR CONDITIONING CONTRACTOR	REINF	— REINFORCED
BLK	— BLOCK			REQ'D	— REQUIRED
CB	— CATCH BASIN	H.C	— HOLLOW CORE	RO	— ROUGH OPENING
CLG	— CEILING	HD	— HEAD	RM	— ROOM
C.H.	— CEILING HEIGHT	H.M	— HOLLOW METAL	RTU	— ROOF TOP UNIT
C.J.	— CONTROL JOINT	HORIZ	— HORIZONTAL		
CL	— CENTER LINE	H.P	— HIGH POINT	S	— SINK
CLO	— CLOSET	HR	— HOUR (S)	SAN	— SANITARY
C.O	— CLEAN OUT	HT	— HEAT	SCHED	— SCHEDULE
COL	— COLUMN	HTR	— HEATER	SD	— SMOKE DETECTOR
CONC	— CONCRETE	HV	— HEATING/VENTILATION UNIT	SECT	— SECTION
CONST	— CONSTRUCTION			SF	— SQUARE FOOT
CONT	— CONTINUOUS	ID	— INSIDE DIAMETER	SHT	— SHEET
CONTR	— CONTRACTOR	INT	— INTERIOR	SIM	— SIMILAR
OR	— CLASSROOM	INSUL	— INSULATION	SPEC(S)	— SPECIFICATION (S)
CT	— CERAMIC TILE	INV	— INVERT	SQ	— SQUARE
CU FT	— CUBIC FEET	IN	— INCH	SQ FT	— SQUARE FEET
				SS	— STAINLESS STEEL
D/DIA	— DIAMETER	J.C	— JANITOR'S CLOSET	STD	— STANDARD
dB	— DECIBEL	JT	— JOINT	STL	— STEEL
DEG	— DEGREE	J.B	— JUNCTION BOX	STM	— STEAM
DEMO	— DEMOLITION			STOR	— STORAGE
D.F.	— DRINKING FOUNTAIN	KIT	— KITCHEN	STRUCT	— STRUCTURAL
D.H.	— DOUBLE HUNG			SUSP	— SUSPENDED
DIM	— DIMENSION	L	— LENGTH		
DN	— DOWN	LAM	— LAMINATE	T	— TREAD/TOILET
D.O	— REPEAT/DOOR OPENING	LAV	— LAVATORY	T.D.	— TRENCH DRAIN
DP	— DEEP	LAVPAB	— LIQUID APPLIED VAPOR PERMEABLE AIR BARRIER	TEL	— TELEPHONE
DR	— DOOR			TEMP	— TEMPERED
DWG	— DRAWING	LBS/#	— POUNDS	TEMPR.	— TEMPERATURE
		L.C.C	— LEAD COATED COPPER	THK	— THICK
E	— EAST	LDR	— LEADER	T.O.C.	— TOP OF CURB
EA	— EACH	LF	— LINEAR FEET	T.O.P.	— TOP OF PARAPET
E.C.	— ELECTRICAL CONTRACTOR	LL	— LIVE LOAD	T.O.S.	— TOP OF STEEL
E.F	— EXHAUST FAN	LP	— LOW POINT	TYP	— TYPICAL
EFF	— EFFICIENCY			U	— URINAL
E.J	— EXPANSION JOINT	M	— MIRROR	UH	— UNIT HEATER
EQ	— EQUAL	MAX	— MAXIMUM	UL	— UNDERWRITERS LABORATORY
ELEC	— ELECTRICAL	MAT	— MATERIAL	UNFIN	— UNFINISHED
EL/ELEV	— ELEVATION	MECH	— MECHANICAL	UV	— UNIT VENTILATOR
ENCL.	— ENCLOSURE	MFR	— MANUFACTURER	V	— VOLT
ENTR.	— ENTRANCE	MIN	— MINIMUM	VAV	— VARIABLE AIR VOLUME
EQUIP	— EQUIPMENT	MISC	— MISCELLANEOUS	V.C.T	— VINYL COMPOSITION TILE
ETC	— AND SO FORTH	MO	— MASONRY OPENING	VD	— VOLUME DAMPER
ETR	— EXISTING TO REMAIN	MH	— MAN HOLE	VEST	— VESTIBULE
EXH	— EXHAUST	MTD	— MOUNTED	V.I.F	— VERIFY IN FIELD
EXIST	— EXISTING	MTL	— METAL	VOL	— VOLUME
EXP	— EXPANSION	N	— NORTH	V.P.	— VISION PANEL
EXT	— EXTERIOR	N/A	— NOT APPLICABLE	V.W.C.	— VINYL WALL COVERING
		N.I.C	— NOT IN CONTRACT		
F	— FAHRENHEIT	NO (S)	— NUMBER(S)	W	— WOMEN/WIDTH/WASHER
F.A.I.	— FRESH AIR INTAKE	N.T.S	— NOT TO SCALE	W/	— WITH
F.D.	— FLOOR DRAIN			W.C.	— WATER CLOSET
F.E.	— FIRE EXTINGUISHER	OC	— ON CENTER	WD	— WOOD
FIN	— FINISH	OD	— OUTSIDE DIAMETER	W.G.	— WIRE GLASS
FIXT	— FIXTURE	OH	— OVERHEAD	WK	— WORK
FL/FLR	— FLOOR	OPNG	— OPENING	W.I.	— WROUGHT IRON
		OPP	— OPPOSITE	W.P.	— WATER PROOF
		OZ	— OUNCE	W.R.	— WATER RESISTANT
				WTR	— WATER
				W.W.F.	— WELDED WIRE FABRIC
				W.W.M.	— WELDED WIRE MESH
				YD	— YARD DRAIN

MATERIALS LEGEND:



GRAPHIC LEGEND:



GENERAL NOTES:

- ALL DETAILS AND/OR PART OF DETAILS ARE SIMILAR FOR SIMILAR LOCATIONS IN ALL OR PART OF THE DETAIL.
- EACH CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE JOB SITE.
- INDICATED DIMENSIONS ARE TO :
A. FACE OF MASONRY OR CONCRETE AND FACE OF METAL STUDS.
B. CENTER LINES.
- WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
- ANY VARIATION FROM CONDITIONS SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER. AFFECTED WORK SHALL NOT PROCEED UNTIL CLARIFICATION HAS BEEN RECEIVED.
- ALL WORK IS TO CONFORM TO I.B.C. - OCCUPANCY E AND THE STATE EDUCATION DEPARTMENT PLANNING STANDARDS. IN CASES OF CONFLICT IN OR BETWEEN CODES, THE MORE STRINGENT CODE SHALL APPLY.
- USE ONLY NEW MATERIALS AND EQUIPMENT WITHOUT DEFECTS.
- DISCREPANCIES AND OMISSIONS ON DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER IN WRITING FOR CLARIFICATION.
- SET ALL WORK STRAIGHT, PLUMB AND LEVEL OR WITH INDICATED SLOPE.
- EACH CONTRACTOR IS TO USE THE APPROVED STANDARDS: A.I.S.C. FEDERAL U.S., ETC. STANDARDS OF THEIR TRADES. ALL CONSTRUCTION SHALL BE PERFORMED TO THESE STANDARDS.
- IF AMBIGUITIES EXIST IN THE CONTRACT DOCUMENTS, THE THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MORE EXPENSIVE METHOD OF WORK.
- THE GENERAL CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS EXCEPT FOR HAZARDOUS MATERIALS REMOVED UNDER ABATEMENT CONTRACT.
- LARGE SCALE DETAILS HAVE PRECEDENCE, HOWEVER WORK INDICATED ON SMALL SCALE DRAWINGS SHALL NOT BE OMITTED. SIMILARLY, NOTES TAKE PRECEDENCE OVER SCHEDULES, PIPING AND WIRE DIAGRAMS. HOWEVER WORK SHOWN OR DESCRIBED BY OTHER METHODS SHALL NOT BE OMITTED.
- CUT AND PATCH ALL EXISTING FINISHES AS REQUIRED BY NEW WORK. MATCH AND FINISH TO PRESENT FINISHED SURFACES OR AS INDICATED.
- ALL NEW WALLS, AND PARTITIONS AS NOTED SHALL BE CARRIED UP AND BE SECURED TIGHTLY TO ROOF DECK, FLOOR DECK AND SLAB UNLESS OTHERWISE SPECIFIED.
- GENERAL CONTRACTOR TO FLASH PATCH CONCRETE SLABS THAT ARE TO RECEIVE FINISH FLOORING AS REQUIRED BY GENERAL CONTRACTOR.
- BY SUBMISSION OF THE BID OR PROPOSAL, THE UNDERSIGNED BIDDER AND THE PERSON OR PERSONS SIGNING ON BEHALF OF THE BIDDER, AND SHOULD EACH BID BE A JOINT BID, EACH PARTY THERETO, CERTIFIES AS TO ITS OWN ORGANIZATION, UNDER PENALTY OR PERJURY, THAT TO THE BEST OF KNOWLEDGE AND BELIEF:
A. THE PRICES IN THIS BID HAVE BEEN ARRIVED AT INDEPENDENTLY WITHOUT COLLUSION, CONSULTATION, COMMUNICATION, OR AGREEMENT FOR THE PURPOSE OF RESTRICTING COMPETITION, AS TO ANY MATTER RELATING TO SUCH PRICES WITH ANY OTHER BIDDER OR WITH ANY COMPETITOR.
B. UNLESS OTHERWISE REQUIRED BY LAW, THE PRICES WHICH HAVE BEEN QUOTED IN THIS BID HAVE NOT BEEN KNOWINGLY DISCLOSED BY THE BIDDER PRIOR TO OPENING, DIRECTLY OR INDIRECTLY, TO ANY OTHER BIDDER NOR TO ANY COMPETITOR ; AND NO ATTEMPT HAS BEEN MADE OR WILL BE MADE BY THE BIDDER TO INDUCE ANY OTHER PERSON, PARTNERSHIP OR CORPORATION TO SUBMIT OR NOT TO SUBMIT A BID FOR THE THE PURPOSE OF RESTRICTING COMPETITION.

WARNING:
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER ANY ITEM ON THESE DRAWINGS IN ANY WAY. IF ALTERATIONS TO THESE DRAWINGS MUST BE MADE, THEY MUST BE MADE IN ACCORDANCE WITH ARTICLE 145, SUBSECTION 7209, OF THE NEW YORK STATE EDUCATION LAW.

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YONKERS PROJECT NUMBER
10845

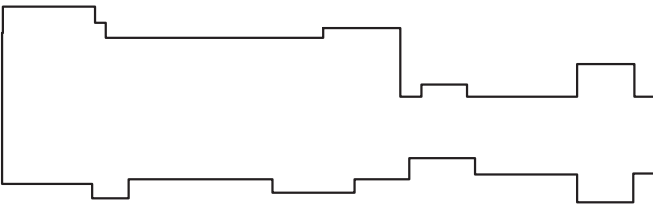
PROJECT NAME
YONKERS
PUBLIC SCHOOLS

PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE



KEY PLAN



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CONSULTANTS

CIVIL ENGINEER CONSULTANT

INSITE
ENGINEERING, SURVEYING &
LANDSCAPE ARCHITECTURE, P.C.
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SECURITY CONSULTANT



ITG Larson, Inc.
155 Lafayette Ave, White Plains, NY 10603

ENVIRONMENTAL CONSULTANT

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1311 RT 22, BROWWATER, NY 10899
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REV. NO.	DATE	DESCRIPTION
	01/23/19	SED FOR BUILDING PERMIT
	09/15/19	ISSUED FOR BID
	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN

DATE: 1/23/19

DRAWN BY: K.C.

CHECKED BY: C.G.

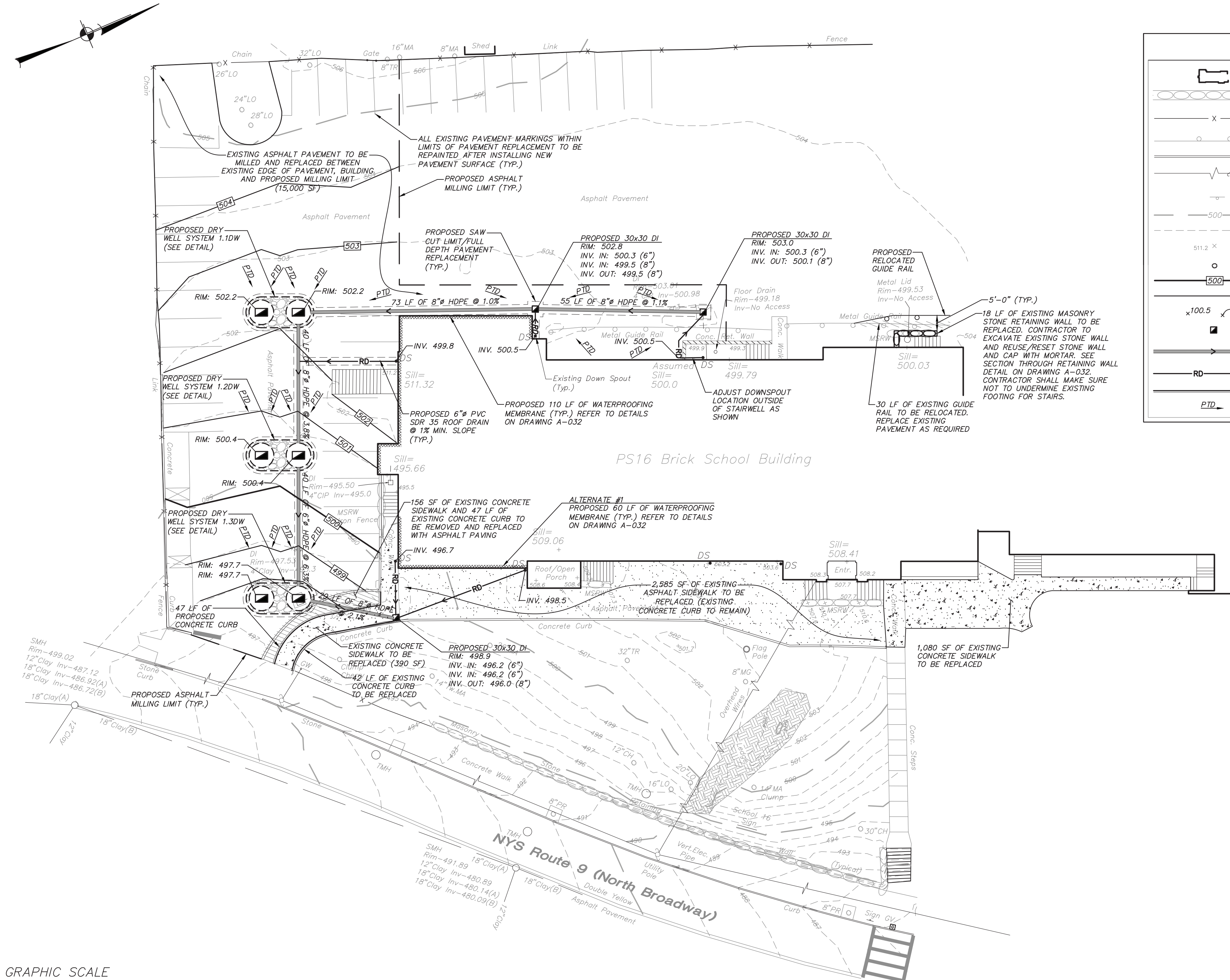
DRAWING TITLE

GENERAL NOTES
SYMBOLS,
LEGENDS AND
ABBREVIATIONS

SHEET NO.

G-001

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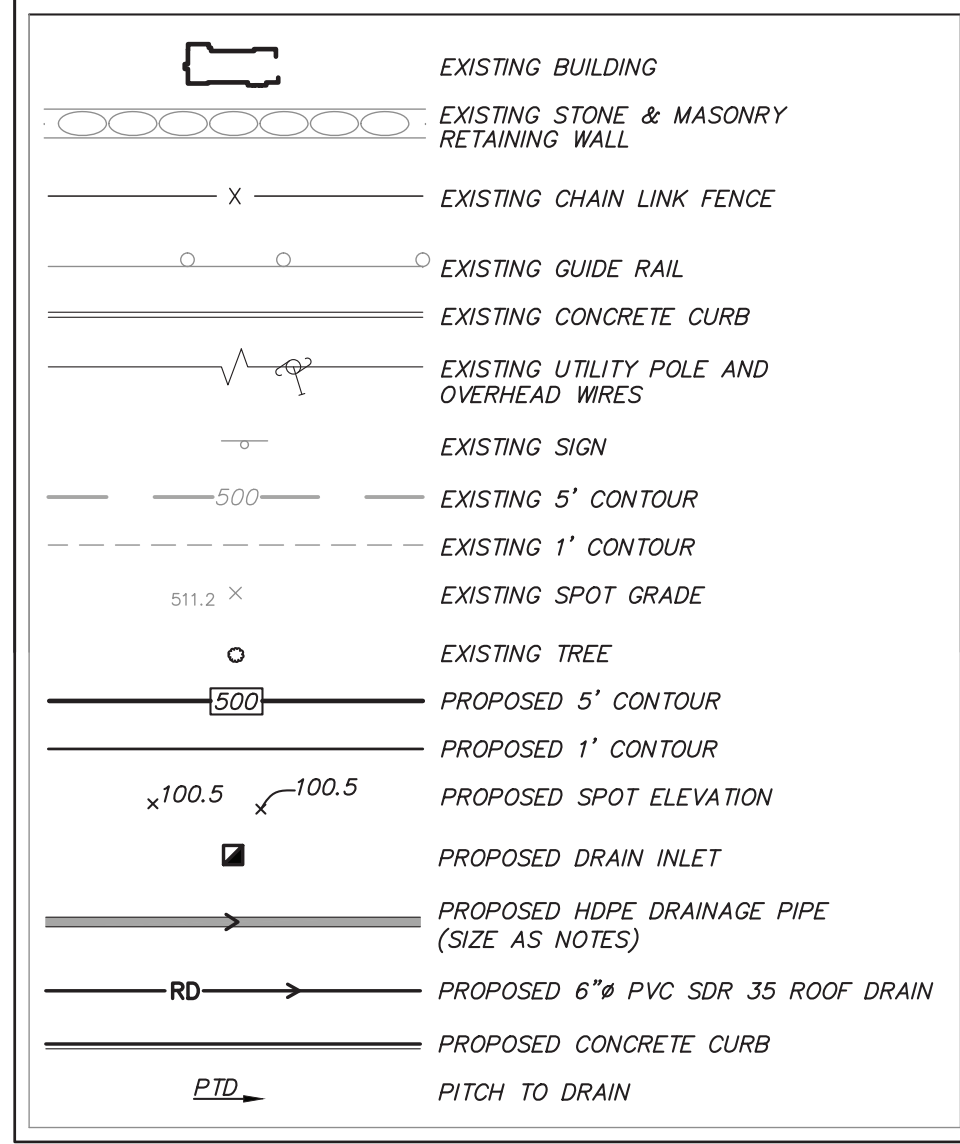


DRAINAGE IMPROVEMENTS PLAN

SCALE: 1" = 20'

NOTE: ALL PROPOSED IMPROVEMENTS SHOWN ON THE DRAINAGE IMPROVEMENTS PLAN TO BE PERFORMED BY THE SITE CONTRACTOR.

LEGEND



GENERAL NOTES:

- Existing conditions shown on the Drainage Improvements Plan taken from field survey work by InSite Engineering, Surveying & Landscape Architecture, P.C. dated September 13, 2019. Elevations shown are referenced to an arbitrary datum. The contour interval is 1'.

STORMWATER DESIGN NOTES:

- The proposed stormwater management practices shown herein have been sized using the "HydroCAD" Stormwater Modeling System, by HydroCAD Software Solutions LLC in Tamworth, New Hampshire. HydroCAD is a computer aided design program for modeling the hydrology and hydraulics of stormwater runoff.
- The proposed dry well system has been sized to fully infiltrate the stormwater runoff from the contributing area for the 1-year, 24-hour storm event.
- An infiltration rate of 6 inches per hour was used for the modeling of the proposed dry wells. The infiltration rate was interpolated from boring results provided by Tectonic Engineering & Surveying Consultants P.C. in the general area of the proposed dry wells.
- For larger storm events, the stormwater runoff not infiltrated by the proposed dry wells will overflow out of the top of the proposed dry well structures and sheet flow overland from west to east across the parking lot to North Broadway to match the existing conditions onsite.

CONSTRUCTION SEQUENCE:

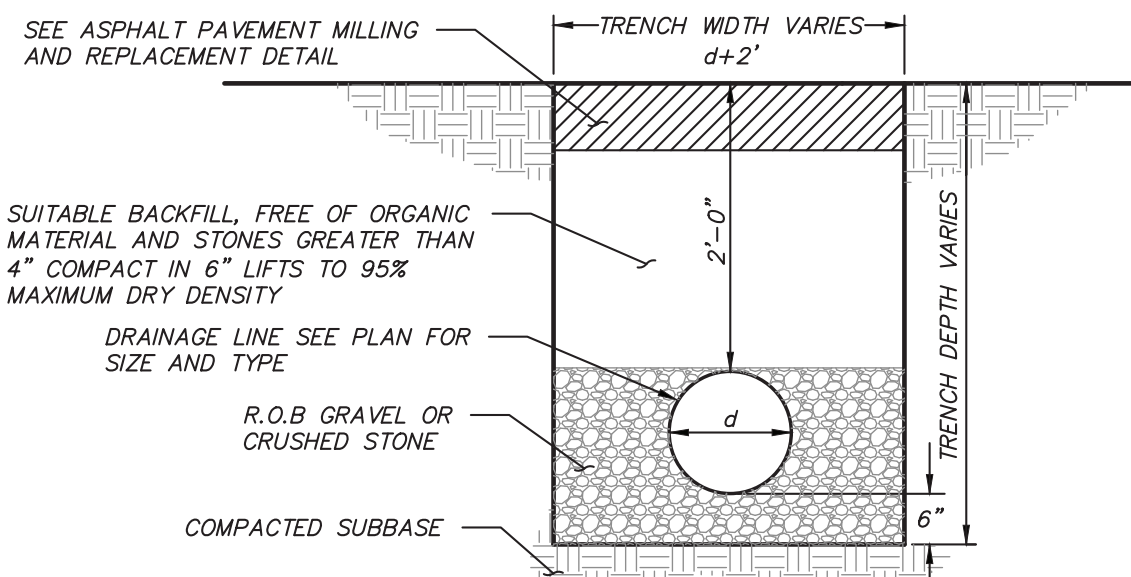
- Remove the existing pavement in the area of the proposed drainage improvements.
- Excavate for the proposed dry wells and install dry well structures and surrounding stone.
- Install remaining drainage improvements.
- Install asphalt pavement and concrete surfaces.

CONSTRUCTION NOTES:

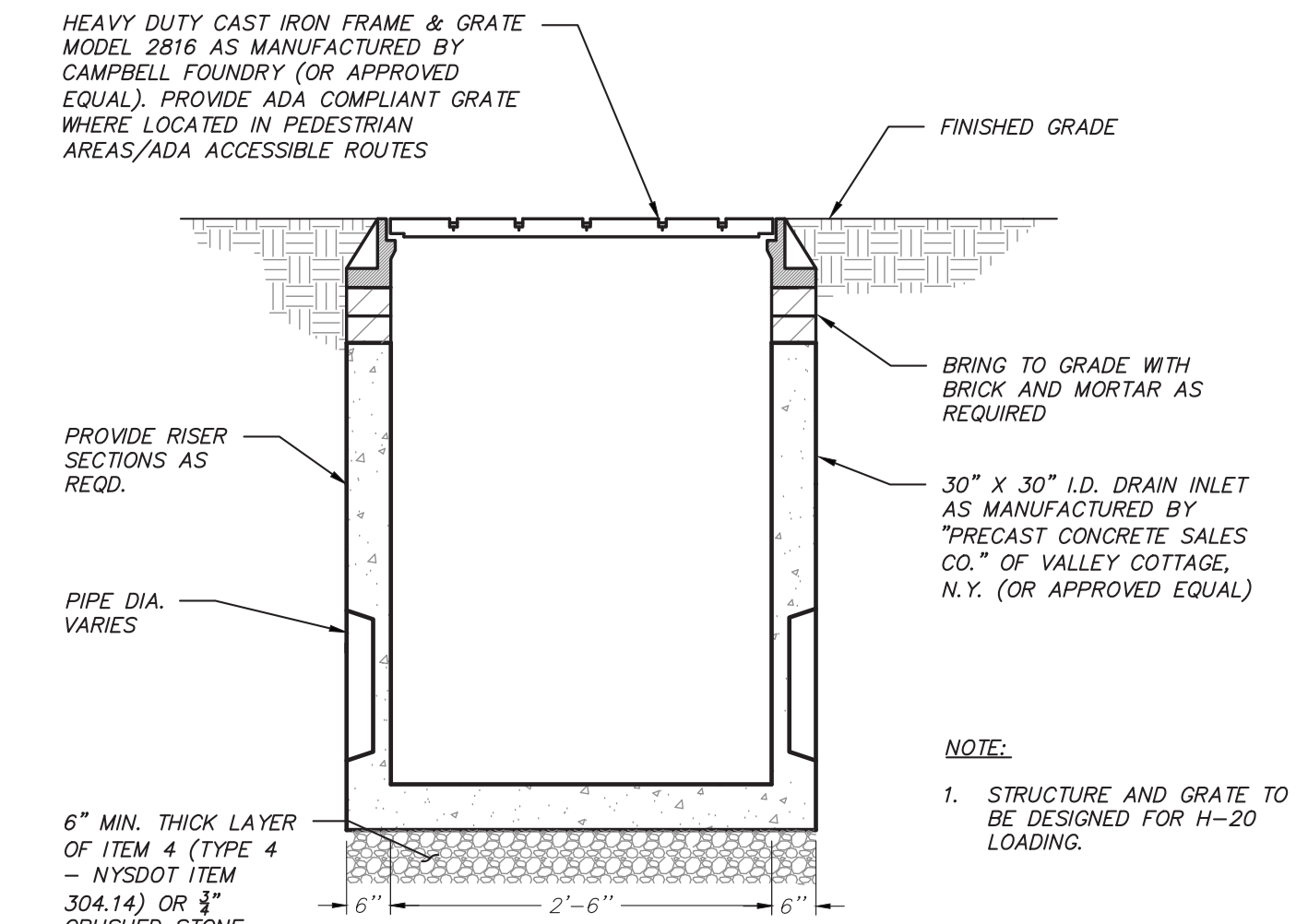
- The contractor shall be responsible for guarding and protecting all open excavations in accordance with the latest edition and current OSHA requirements.
- Existing pavement that is to remain which is removed or damaged during the construction work of this contract is to be restored to its original condition, or better.
- Unless otherwise shown on the drawings the contractor shall match the material, thickness and quality of all existing pavements that are to be replaced.
- It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact Dig Safely New York at 811 or 1-800-962-7962 and any other required utility locators prior to the start of construction.
- When structures are to be placed on existing utility lines or where the proposed utility lines are assumed to cross existing utilities, the contractor shall locate the existing utility and shall verify its existing invert elevation. The Contractor shall notify the architect/engineer if different utility invert elevations or locations are revealed by field exploration.
- The exact location, size, and type of the existing utilities may differ from what is shown herein. The contractor shall verify the location size and type of the existing utilities ahead of construction as necessary to permit revisions to meet existing utilities or relocate proposed utilities as required.
- The contractor shall coordinate their construction operations with any other construction activities and/or events/activities occurring simultaneously on PS-16 property.
- The contractor shall coordinate the layout of the work with the owner, and the project architect/engineer, and eliminate all conflicts including but not limited to utility location conflicts, prior to commencement of any proposed work. The contractor shall expose, protect, and maintain existing utilities throughout construction to verify the size, type, location and invert of the existing utility, and eliminate any conflicts without resulting in a delay in work.
- The contractor shall field verify the existing grades/utility locations prior to commencement of any work. Any discrepancy shall be reported to the owner and project architect/engineer.
- All vehicle and pedestrian traffic shall be maintained as directed by the owner and/or the project architect/engineer.
- All existing vegetation not proposed to be removed shall be protected from damage, and if damaged replaced at the contractor's expense.
- All existing concrete curb not proposed to be removed shall be protected from damage during construction, and if damaged replaced at the contractor's expense to original condition.
- Original condition shall mean the condition in which the feature was found (or better) at the start of construction.
- The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contract documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.
- The contractor will be held responsible for all damage caused to existing utilities/features/facilities during execution of the work not proposed to be modified or removed by this contract. All damage to any existing utilities/features/facilities not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner at no additional cost.
- The contractor will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures if necessary. MP&T shall include but not be limited to placement of traffic cones and warning signs around work zone.
- Safe and adequate pedestrian vehicular traffic flow shall be maintained at all times to the existing buildings, while the work is in progress. The contractor shall submit for approval of the Architect, a construction sequence schedule and plan for pedestrian and vehicular traffic flow.
- The contractor shall assure that no all laden runoff will cross disturbance limit line and/or enter any drainage system (existing or new alike).
- The contractor shall be responsible for the implementation of erosion and sediment controls as necessary to prevent erosion and migration of sediment outside of the contract limit line or into the stormwater collection system. Erosion and sediment controls may include but are not limited to silt fence, stabilized construction entrance, and inlet protection. All erosion and sediment controls shall be installed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Additional erosion and sediment controls may be required during construction by the project engineer.
- There shall be no burying of construction and demolition (C&D) debris on site. All C&D debris and stumps must be removed by the contractor, and disposed of in accordance with all pertinent regulations.
- The contractor shall notify the architect and/or construction mgr. 72 hours prior to start of work.
- Pavement shall be kept clean at all times.
- Any stockpiled materials shall be tarped if left overnight.
- Contractor shall match existing grade for asphalt and concrete surfaces to be replaced unless otherwise noted on the Drainage Improvements Plan.

REMOVAL NOTES

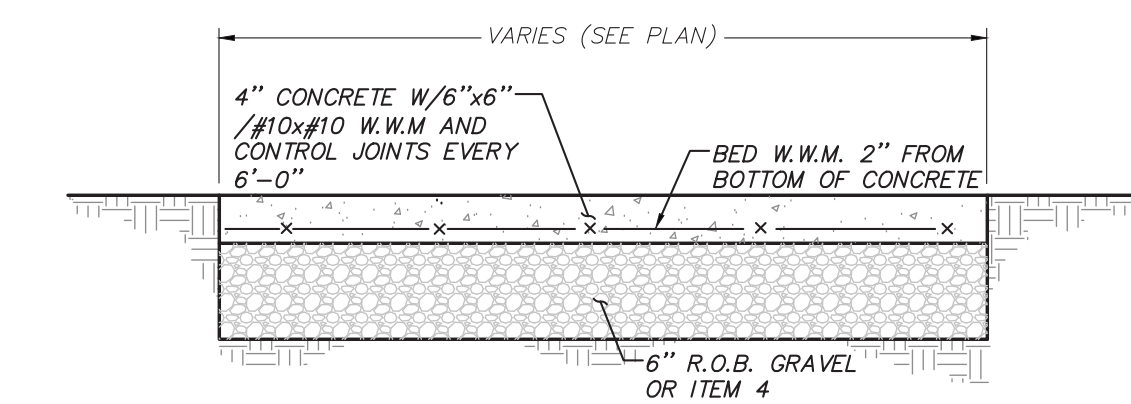
- Prior to submitting the bid the contractor shall visit the site and familiarize himself/herself with the site conditions and existing improvements to be removed.
- The contractor shall verify existing conditions and dimensions in the field before commencing with any fabrication, ordering of material, or performing work. The contractor shall notify the architect/engineer of any conditions or dimensions that would hamper the performance of the work in accordance with the contract drawings and specifications.
- The locations of existing utilities, water, sewers, and drainage structures have been indicated based on the best available information provided by the utilities surveyors and architect. It is possible that the actual subsurface utilities and piping may vary from that indicated. Therefore, prior to starting work in any area, the contractor shall take the necessary steps to determine the locations of all existing underground piping, conduit and structures. The contractor shall carry out his operations in such a manner as to prevent interference with lines which are to remain alone, any pipe or conduit disturbed in the course of contract shall be repaired by the contractor at no extra cost to the owner.
- All existing utilities shall be marked out by the contractor prior to any construction activities.
- All adjacent areas outside of the disturbance limit line and disturbed during the course of construction, shall be repaired to new condition by the contractor at no additional cost to the owner.
- All areas not covered by pavements and damaged during the course of construction shall be topped and either seeded or sodded in accordance with the plans and specifications.
- Where construction crosses or is adjacent to existing utility lines (fuel, water, gas, telephone, electric or communication) the contractor shall carefully hand excavate so as to locate, mark and protect the utility lines against disturbance or damage by providing adequate support and protection as approved by the engineer/architect. The contractor shall repair any power or communication interruption immediately, at no additional cost to the owner.
- Where interference with other utilities or construction are encountered during construction of new utility/drainage lines, the contractor may adjust the alignment or invert elevations of that system only at the direction of the project architect or engineer.
- The contractor shall accept full responsibility for the proper protection of existing structures which are designated to remain during construction and the life of the contract. Any structures found to be damaged during the project duration shall be repaired or replaced at the architect's discretion to the complete satisfaction of the architect and at the contractor's full expense.
- The contractor shall exercise extreme caution when working adjacent to active power and communication lines to prevent damage to these lines. The contractor shall hand excavate test pits to expose those lines prior to performing any other excavation work in the area. The contractor shall repair at his/her expense, any power or communication interruption immediately.



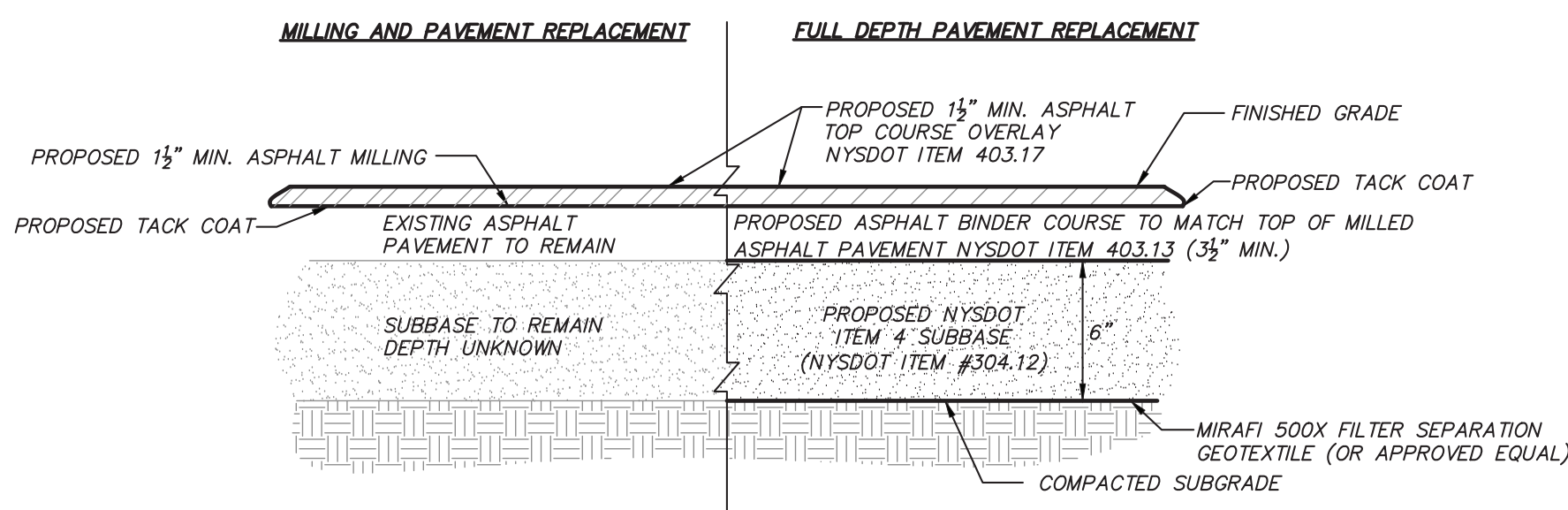
DRAINAGE LINE TRENCH DETAIL (N.T.S.)



30" X 30" DRAIN INLET DETAIL (N.T.S.)



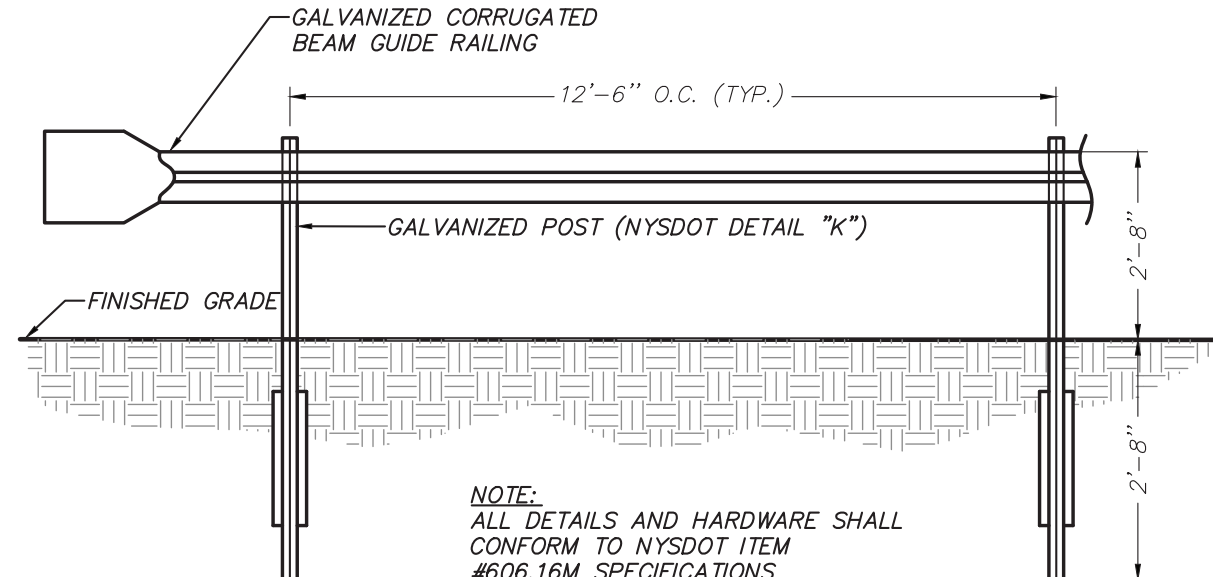
CONCRETE SIDEWALK DETAIL (N.T.S.)



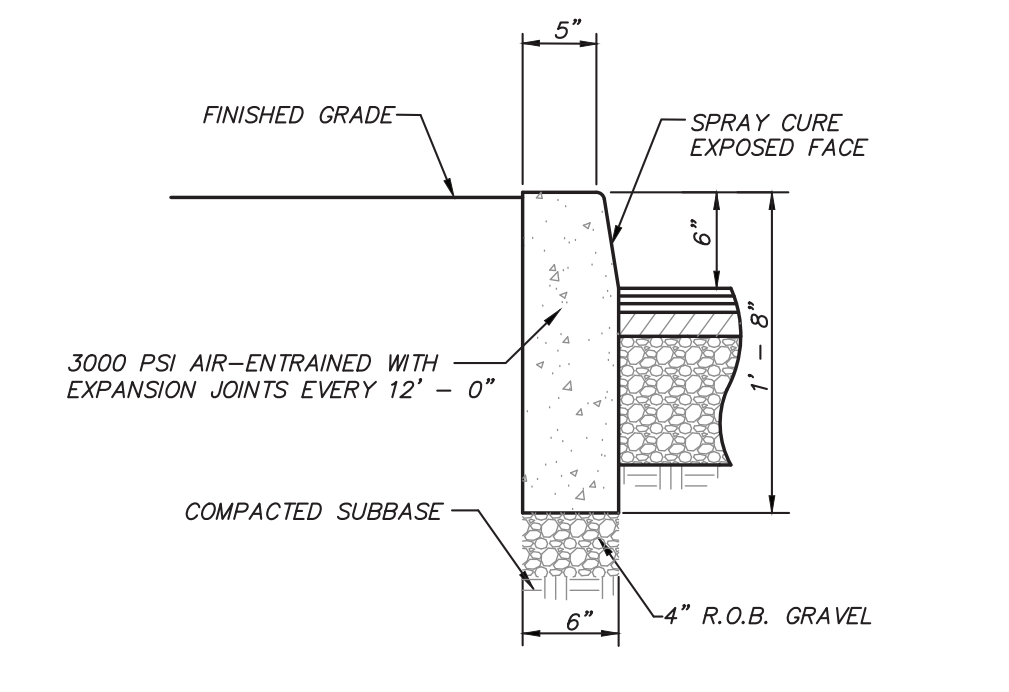
ASPHALT SIDEWALK DETAIL (N.T.S.)

- PAVEMENT MILLING NOTES:
- MILL 1 1/2" MIN. OFF ENTIRE PARKING LOT
 - SWEEP ASPHALT SURFACE
 - INSTALL TACK COAT
 - INSTALL ASPHALT TOP COURSE OVERLAY (1 1/2" MIN.)
- PAVEMENT REPLACEMENT NOTES:
- SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT
 - REMOVE EXISTING SUBBASE AND INSTALL 6" ITEM 4 SUBBASE
 - INSTALL ASPHALT BINDER
 - INSTALL TACK COAT
 - INSTALL ASPHALT TOP COURSE OVERLAY (1 1/2" MIN.)

ASPHALT PAVEMENT MILLING AND REPLACEMENT DETAIL (N.T.S.)



GUIDE RAIL DETAIL (N.T.S.)



CONCRETE CURB DETAIL (N.T.S.)

STORMWATER MANAGEMENT PRACTICE	BOTTOM OF GRAVEL ELEVATION (A)	BOTTOM OF DRY WELL ELEVATION (B)	TOP OF DRY WELL TOP SLAB ELEVATION (C)	TOP OF GRAVEL ELEVATION (D)
1.10W	491.6	492.6	501.3	501.3
1.20W	490.1	491.1	499.8	499.8
1.30W	487.6	488.6	497.3	497.3

DRAIN INLET/DRYWELL DETAIL (N.T.S.)

(STRUCTURES AND GRATES TO BE DESIGNED FOR H-20 LOADING)

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

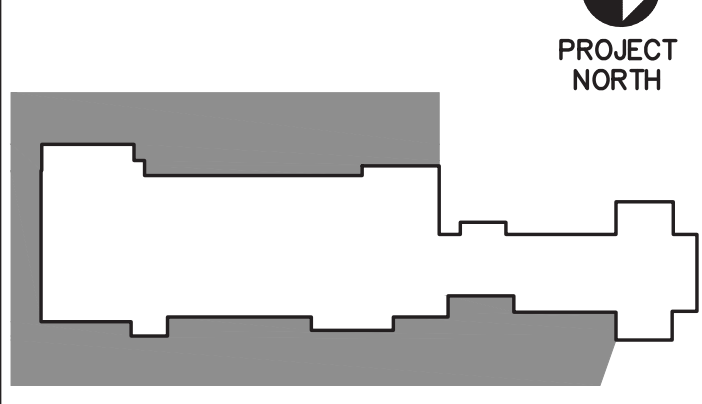
PROJECT NAME

YONKERS
PUBLIC SCHOOLS
PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE



KEY PLAN



PROJECT NORTH

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REV. NO.	DATE	DESCRIPTION
1	9/15/19	ISSUED FOR BID
2	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN DATE: 9/15/19
DRAWN BY: E.J.P. CHECKED BY: J.M.W.

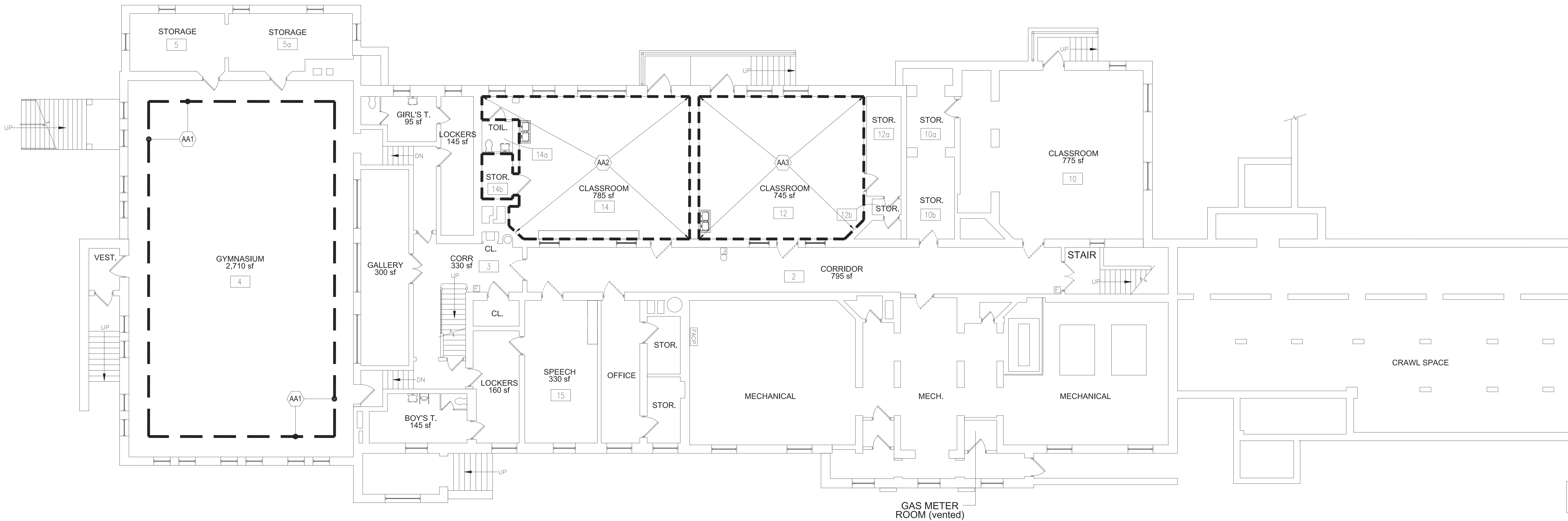
DRAWING TITLE

DRAINAGE
IMPROVEMENTS
PLAN AND
DETAILS

SHEET NO.

C-100

YONKERS PUBLIC SCHOOLS



1 PART. BASEMENT PLAN - ABATEMENT

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

66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

PROJECT NAME

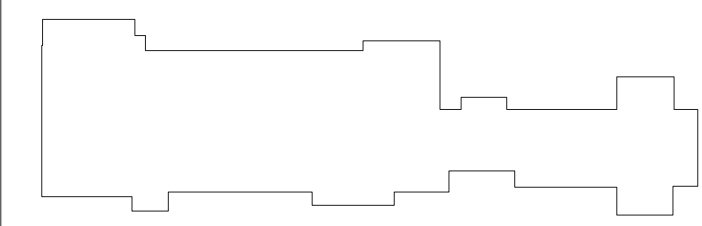
YONKERS
PUBLIC SCHOOLS

PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
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REV. NO.	DATE	DESCRIPTION
	01/23/19	SED FOR BUILDING PERMIT
	09/15/19	ISSUED FOR BID
	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN	DATE: 1/23/19
DRAWN BY: K.C.	CHECKED BY: C.G.

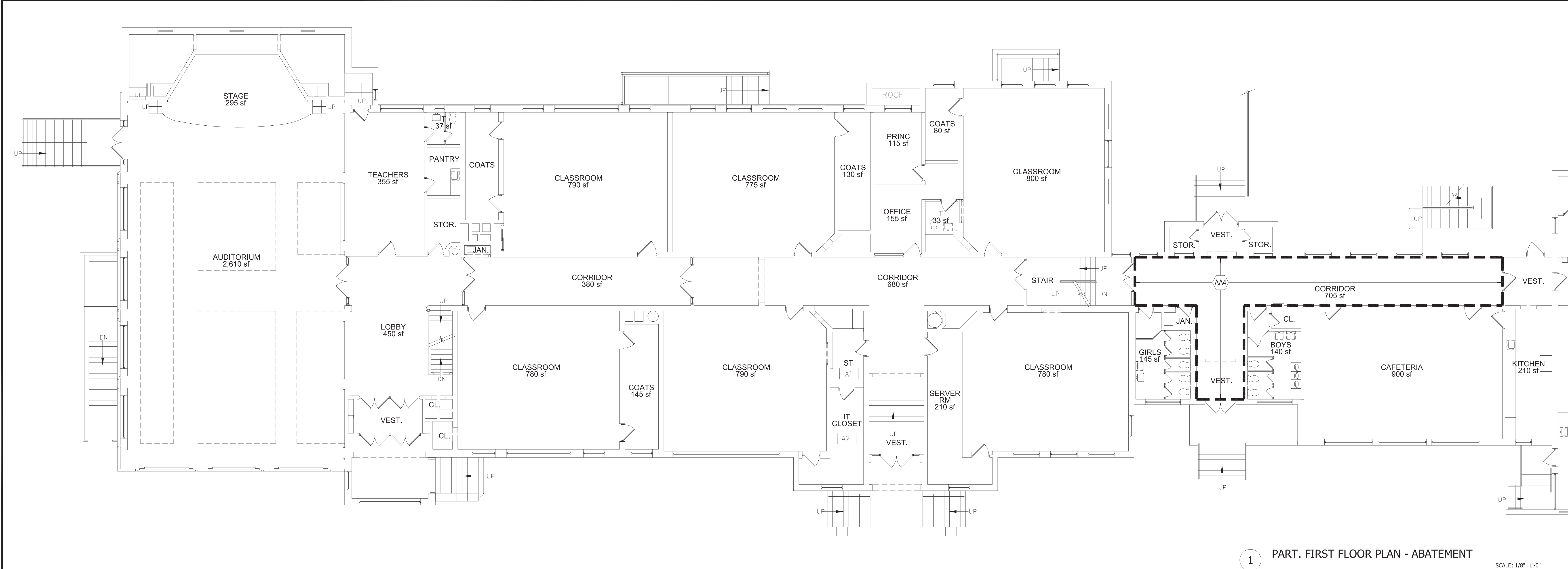
DRAWING TITLE

PART. BASEMENT
ABATEMENT PLAN

SHEET NO.

AA100

<p>1 PARALLEL PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURES LARGE ASBESTOS PROJECT</p>	<p>2 PERSONAL DECONTAMINATION ENCLOSURE LARGE SCALE</p>	<p>3 CROSS SECTION OF AIRLOCK PLAN OF AIRLOCK TYPICAL AIR LOCK DETAIL</p>
<p>4 PERSONAL DECONTAMINATION SYSTEM ENCLOSURES LARGE ASBESTOS PROJECT</p>	<p>5 WASTE DECONTAMINATION SYSTEM ENCLOSURE - LARGE ASBESTOS PROJECT (OPTIONAL FOR SMALL ASBESTOS PROJECT)</p>	<p>6 PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURE FOR A SMALL ASBESTOS PROJECT</p>



1 PART. FIRST FLOOR PLAN - ABATEMENT

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

PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURES

PERSONAL DECONTAMINATION SYSTEM ENCLOSURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO COMMENCING THE REMAINDER OF THE PHASE II A REGULATED ABATEMENT WORK AREA PREPARATION ACTIVITIES. WASTE DECONTAMINATION SYSTEM ENCLOSURES SHALL BE CONSTRUCTED AND FUNCTIONAL AT THE COMPLETION OF PHASE II A PREPARATION ACTIVITIES. AFTER INSTALLATION OF THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE, ALL ACCESS TO THE REGULATED ABATEMENT WORK AREA SHALL BE VIA THE INSTALLED PERSONAL DECONTAMINATION SYSTEM ENCLOSURE.

PERSONAL DECONTAMINATION SYSTEM ENCLOSURE—LARGE PROJECT.

- (1) ENCLOSURE—GENERAL. A PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SHALL BE PROVIDED OUTSIDE THE REGULATED ABATEMENT WORK AREA AND ATTACHED TO ALL LOCATIONS WHERE PERSONNEL SHALL ENTER OR EXIT THE REGULATED ABATEMENT WORK AREA. ONE PERSONAL DECONTAMINATION ENCLOSURE SYSTEM FOR EACH REGULATED ABATEMENT WORK AREA SHALL BE REQUIRED. THIS SYSTEM MAY UTILIZE ADEQUATE EXISTING LIGHTING SOURCES SEPARATE FROM THE DECONTAMINATION SYSTEM ENCLOSURE, OR SHALL BE SUPPLIED WITH A GFCI PROTECTED TEMPORARY LIGHTING SYSTEM. THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF WORKERS AND EQUIPMENT REQUIRED FOR THE INTENDED PURPOSE. SUCH SYSTEM MAY CONSIST OF EXISTING ATTACHED ROOMS OUTSIDE OF THE REGULATED ABATEMENT WORK AREA, IF THE LAYOUT IS APPROPRIATE, THAT CAN BE PLASTICIZED AND ARE ACCESSIBLE FROM THE REGULATED ABATEMENT WORK AREA. WHEN THIS SITUATION DOES NOT EXIST, PERSONAL DECONTAMINATION ENCLOSURE SYSTEMS MAY BE CONSTRUCTED OF METAL, WOOD OR PLASTIC SUPPORTS COVERED WITH FIRE-RETARDANT PLASTIC SHEETING. A MINIMUM OF ONE LAYER OF SIX MIL FIRE-RETARDANT PLASTIC SHEETING SHALL BE INSTALLED ON THE CEILING, AND WALLS OF THE ENCLOSURE SYSTEM. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOORING PROTECTION OF THIS AREA. THIS SYSTEM MUST BE KEPT CLEAN, SANITARY AND CLIMATE CONTROLLED AT ALL TIMES IN CONFORMANCE WITH ALL FEDERAL, STATE AND LOCAL GOVERNMENT REQUIREMENTS. THIS SYSTEM SHALL REMAIN ON-SITE, OPERATIONAL AND BE USED UNTIL COMPLETION OF PHASE II C OF THE ASBESTOS PROJECT.
- (2) ROOMS AND CONFIGURATION. THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SHALL CONSIST OF A CLEAN ROOM, A SHOWER ROOM AND AN EQUIPMENT ROOM CONNECTED IN SERIES BUT SEPARATED FROM EACH OTHER BY AIRLOCKS. THERE SHALL BE A CURTAINED DOORWAY SEPARATION BETWEEN THE EQUIPMENT ROOM AND THE REGULATED ABATEMENT WORK AREA, AND THERE SHALL BE A LOCKABLE DOOR TO THE OUTSIDE. MINIMUM DIMENSIONS FOR EACH AIRLOCK, SHOWER ROOM AND EQUIPMENT ROOM SHALL BE THREE FEET WIDE BY SIX FEET IN HEIGHT, TO ALLOW FOR ADEQUATE ACCESS TO AND FROM THE REGULATED ABATEMENT WORK AREA.
- (3) CURTAINED DOORWAY. AN ASSEMBLY WHICH CONSISTS OF AT LEAST THREE OVERLAPPING SHEETS OF SIX MIL FIRE-RETARDANT PLASTIC OVER AN EXISTING OR TEMPORARILY FRAMED DOORWAY. ONE SHEET SHALL BE SECURED AT THE TOP AND LEFT SIDE, THE SECOND SHEET AT THE TOP AND RIGHT SIDE, AND THE THIRD SHEET AT THE TOP AND LEFT SIDE. ALL SHEETS SHALL HAVE WEIGHTS ATTACHED TO THE BOTTOM TO INSURE THAT THE SHEETS HANG STRAIGHT AND MAINTAIN A SEAL OVER THE DOORWAY WHEN NOT IN USE.
- (4) FRAMING. ENCLOSURE SYSTEMS ACCESSIBLE TO THE PUBLIC SHALL BE FULLY FRAMED, HARD-WALL SHEATHED AND UTILIZE A LOCKABLE DOOR FOR SAFETY AND SECURITY.
- (5) SHEATHING. A PLYWOOD OR ORIENTED STRAND BOARD (OSB) SHEATHING MATERIAL OF AT LEAST ¾-INCH THICKNESS.

- (6) PLASTIC SHEETING. ENCLOSURE SYSTEMS CONSTRUCTED AT THE WORK SITE SHALL USE AT LEAST ONE LAYER OF SIX MIL FIRE-RETARDANT PLASTIC SHEETING ON WALLS AND CEILING. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOOR PROTECTION OF THIS AREA.
- (7) PREFABRICATED OR TRAILER UNITS. A COMPLETELY WATERIGHT FIBERGLASS OR MARINE PAINTED PREFABRICATED UNIT DOES NOT REQUIRE PLASTICIZING. ROOMS SHALL BE CONFIGURED AS PER NYCRR PART 56-7.5. ALL PREFABRICATED OR TRAILER DECONTAMINATION UNITS SHALL BE KEPT IN GOOD CONDITION AND SHALL BE COMPLETELY DECONTAMINATED AFTER FINAL CLEANING AND IMMEDIATELY PRIOR TO CLEARANCE AIR SAMPLING. UPON RECEIVING SATISFACTORY CLEARANCE AIR RESULTS, THE PREFABRICATED UNITS SHALL BE SEALED THEN SEPARATED FROM THE REGULATED ABATEMENT WORK AREA AND REMOVED FROM THE SITE.
- (8) CLEAN ROOM. THE CLEAN ROOM SHALL BE SIZED TO ACCOMMODATE A FULL WORKSHIFT OF ASBESTOS ABATEMENT CONTRACTOR PERSONNEL, AS WELL AS THE AIR SAMPLING TECHNICIAN AND THE PROJECT MONITOR. THE CLEAN ROOM SHALL BE A MINIMUM OF SIX FEET IN HEIGHT, A MINIMUM OF 32 SQUARE FEET OF FLOOR SPACE SHALL BE PROVIDED FOR EVERY SIX FULL SHIFT ABATEMENT WORKERS, CALCULATED ON THE BASIS OF THE LARGEST WORK SHIFT. IF THE LARGEST WORK SHIFT CONSISTS OF THREE OR LESS FULL SHIFT ABATEMENT WORKERS, THE MINIMUM CLEAN ROOM SIZE REQUIREMENT IS REDUCED TO 24 SQUARE FEET OF FLOOR SPACE. BENCHES, LOCKERS AND HOOKS SHALL BE PROVIDED FOR STREET CLOTHES. SHELVES FOR STORING RESPIRATORS SHALL BE PROVIDED. CLEAN CLOTHING, REPLACEMENT FILTERS FOR RESPIRATORS, TOWELS AND OTHER NECESSARY ITEMS SHALL BE PROVIDED. THE CLEAN ROOM SHALL NOT BE USED FOR STORAGE OF TOOLS, EQUIPMENT OR MATERIALS. IT SHALL NOT BE USED FOR OFFICE SPACE. A LOCKABLE DOOR SHALL BE PROVIDED TO PERMIT ACCESS TO THE CLEAN ROOM FROM OUTSIDE THE REGULATED ABATEMENT WORK AREA OR ENCLOSURE AND SHALL BE USED TO SECURE THE REGULATED ABATEMENT WORK AREA AND DECONTAMINATION ENCLOSURE DURING NON-WORK HOURS.
- (9) SHOWER ROOM. THE SHOWER ROOM SHALL CONTAIN ONE SHOWER PER EVERY SIX FULL SHIFT ABATEMENT WORKERS, CALCULATED ON THE BASIS OF THE LARGEST WORK SHIFT. MULTIPLE SHOWERS SHALL BE SIMULTANEOUSLY ACCESSIBLE (INSTALLED IN PARALLEL) TO CERTIFIED PERSONNEL. EACH SHOWERHEAD SHALL BE SUPPLIED WITH HOT AND COLD WATER ADJUSTABLE AT THE TAP. THE SHOWER ENCLOSURE SHALL BE CONSTRUCTED TO ENSURE AGAINST LEAKAGE OF ANY KIND. UNCONTAMINATED SOAP, SHAMPOO AND TOWELS SHALL BE AVAILABLE AT ALL TIMES. SHOWER WATER SHALL BE DRAINED, COLLECTED AND FILTERED THROUGH A SYSTEM WITH AT LEAST 5-MICRON PARTICLE SIZE COLLECTION CAPABILITY. SUBMERSIBLE PUMPS SHALL BE INSTALLED, MAINTAINED AND UTILIZED IN ACCORDANCE WITH PERTINENT OSHA REGULATIONS AND MANUFACTURER'S RECOMMENDATIONS. A MULTI-STAGE FILTERING SYSTEM CONTAINING A SERIES OF SEVERAL FILTERS WITH PROGRESSIVELY SMALLER PORE SIZES SHALL BE USED TO AVOID RAPID CLOGGING OF THE FILTERING SYSTEM BY LARGER PARTICLES. FILTERED WASTEWATER SHALL BE DISCHARGED IN ACCORDANCE WITH APPLICABLE CODES. CONTAMINATED FILTERS SHALL BE DISPOSED OF AS ASBESTOS-CONTAMINATED WASTE.
- (10) EQUIPMENT ROOM. THE EQUIPMENT ROOM SHALL BE USED FOR THE STORAGE OF DECONTAMINATED EQUIPMENT AND TOOLS. A ONE-DAY SUPPLY OF REPLACEMENT FILTERS FOR HEPA/VACUUMS AND NEGATIVE PRESSURE VENTILATION EQUIPMENT IN SEALED CONTAINERS, EXTRA TOOLS, CONTAINERS OF SURFACTANT AND OTHER MATERIALS AND EQUIPMENT THAT MAY BE REQUIRED DURING THE ABATEMENT PROJECT MAY ALSO BE STORED HERE. A CONTAINER LINED WITH A LABELED, AT LEAST SIX MIL PLASTIC BAG FOR COLLECTION OF CLOTHING SHALL BE LOCATED IN THIS ROOM. CONTAMINATED FOOTWEAR AND WORK CLOTHES SHALL BE STORED IN THIS AREA.
- (11) AIRLOCKS. AIRLOCK CONSTRUCTION SHALL CONSIST OF TWO CURTAINED DOORWAYS WITH THREE ALTERNATING SIX MIL FIRE-RETARDANT POLYETHYLENE CURTAINS PER DOORWAY, SEPARATED BY A DISTANCE OF AT LEAST THREE FEET, SUCH THAT ONE PASSES THROUGH ONE DOORWAY INTO THE AIRLOCK, ALLOWING THE DOORWAY SHEETING TO OVERLAP AND CLOSE OFF THE OPENING BEFORE PROCEEDING THROUGH THE NEXT DOORWAY. MINIMUM AIRLOCK SIZE SHALL BE THREE FEET WIDE, BY THREE FEET LONG, BY SIX FEET IN HEIGHT.

PERSONAL DECONTAMINATION SYSTEM ENCLOSURE—SMALL PROJECT.

(1) ENCLOSURE REQUIREMENTS. A PERSONAL DECONTAMINATION SYSTEM ENCLOSURE FOR A SMALL ASBESTOS PROJECT SHALL CONSIST OF, AT A MINIMUM, AN EQUIPMENT ROOM, A SHOWER ROOM AND A CLEAN ROOM SEPARATED FROM EACH OTHER AND FROM THE REGULATED ABATEMENT WORK AREA AND OTHER AREAS BY CURTAINED DOORWAYS AS DEFINED IN SECTION 56-2.1 OF NYCRR PART 56. ALL OTHER PROVISIONS FOR PERSONAL DECONTAMINATION SYSTEM FOR A LARGE ASBESTOS PROJECT SHALL APPLY. EQUIPMENT STORAGE, PERSONAL GROSS DECONTAMINATION AND REMOVAL OF CLOTHING SHALL OCCUR IN THE EQUIPMENT ROOM JUST PRIOR TO ENTERING THE SHOWER. THE FULL PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SPECIFIED FOR LARGE ASBESTOS PROJECTS IS RECOMMENDED.

REMOTE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE.

IF A PERSONAL DECONTAMINATION SYSTEM CANNOT BE ATTACHED TO THE REGULATED ABATEMENT WORK AREA, DUE TO AVAILABLE SPACE RESTRICTIONS OR OTHER BUILDING AND FIRE CODE RESTRICTIONS, A REMOTE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE MAY BE USED FOR LIMITED SPECIAL PROJECTS AS PER SUBPART 56-11 OF NYCRR PART 56. NEGATIVE PRESSURE TENT ENCLOSURE WORK AREAS WITH GLOBE BAG ONLY ABATEMENT, OR IF NON-FRABLE ACM IS BEING REMOVED IN A MANNER WHICH WILL NOT RENDER THE ACM FRABLE. IF IT IS FOUND DURING PHASE II B, THAT THE NON-FRABLE ACM OR ASBESTOS MATERIAL WILL BECOME FRABLE DURING THE REMOVAL PROCESS, AND IT IS LOGISTICALLY POSSIBLE TO ATTACH THE DECONTAMINATION SYSTEM ENCLOSURE, ABATEMENT WORK MUST STOP IMMEDIATELY WHILE THE REMOTE PERSONAL DECONTAMINATION SYSTEM IS RELOCATED TO BE ATTACHED AND CONTIGUOUS TO THE REGULATED ABATEMENT WORK AREA. THE FOLLOWING REQUIREMENTS APPLY FOR ALL REMOTE PERSONAL DECONTAMINATION SYSTEMS:

- (1) PROTECTIVE CLOTHING. WORKERS SHALL DON TWO SETS OF DISPOSABLE PROTECTIVE CLOTHING AND A SUPPLY OF PROTECTIVE CLOTHING SHALL BE KEPT IN THE AIRLOCKS ATTACHED TO THE REGULATED ABATEMENT WORK AREA.
- (2) LOCATION. THE REMOTE PERSONAL DECONTAMINATION SYSTEM SHALL BE CONSTRUCTED AS CLOSE TO THE REGULATED ABATEMENT WORK AREA AS PHYSICALLY POSSIBLE. IF THE REMOTE PERSONAL DECONTAMINATION SYSTEM MUST BE LOCATED AT THE EXTERIOR OF THE BUILDING/STRUCTURE DUE TO SPACE OR CODE RESTRICTIONS, IT SHALL BE CONSTRUCTED WITHIN 50 FEET OF THE BUILDING/STRUCTURE EXIT USED FOR ACCESS BY THE ASBESTOS ABATEMENT CONTRACTOR PERSONNEL. THE DECONTAMINATION UNIT SHALL BE CORDONED OFF AT A DISTANCE OF 25 FEET TO SEPARATE IT FROM PUBLIC AREAS.
- (3) AIRLOCKS. AT A MINIMUM, TWO EXTRA AIRLOCKS AS DEFINED IN SECTION 56-2.1 OF NYCRR PART 56 SHALL BE CONSTRUCTED AS PER PARAGRAPH (B)(11) OF SECTION 56-7.5. ONE SHALL BE CONSTRUCTED AT THE ENTRANCE TO THE EQUIPMENT ROOM OR EQUIPMENT WASHROOM. THE OTHER EXTRA AIRLOCK SHALL BE CONSTRUCTED AT THE ENTRANCE TO THE CONTAINMENT OR REGULATED ABATEMENT WORK AREA(S). THESE AIRLOCKS SHALL HAVE LOCKABLE DOORWAYS AT THE ENTRANCE TO THE AIRLOCK FROM UNCONTAMINATED AREAS. THESE AIRLOCKS SHALL BE CORDONED OFF AT A DISTANCE OF 25 FEET AND APPROPRIATELY SIGNED IN ACCORDANCE WITH SECTION 56-7.4(C) OF NYCRR PART 56. AIRLOCKS SHALL NOT BE USED AS A WASTE DECONTAMINATION AREA AND SHALL BE KEPT CLEAN AND FREE OF ASBESTOS CONTAINING MATERIAL.
- (4) DESIGNATED PATHWAY. THE WALKWAY FROM THE REGULATED ABATEMENT WORK AREA TO THE PERSONAL DECONTAMINATION SYSTEM OR NEXT REGULATED ABATEMENT WORK AREA SHALL BE CORDONED OFF AND SIGNAGE INSTALLED AS PER SECTION 56-7.4(C) OF NYCRR PART 56, TO DELINEATE IT FROM PUBLIC AREAS WHILE IN USE DURING PHASES II A THROUGH II D.
- (5) TRAVEL THROUGH UNCONTAMINATED AREAS. IF AT ANY TIME A WORKER MUST TRAVEL THROUGH AN UNCONTAMINATED AREA TO ACCESS THE PERSONAL DECONTAMINATION AREA, THE WORKER SHALL HEPA-VACUUM AND/OR WET WIPE HIS/HER OUTER PROTECTIVE CLOTHING WHILE IN THE REGULATED ABATEMENT WORK AREA, THEN PROCEED INTO THE AIRLOCK, WHICH SERVES AS A CHANGING AREA, WHERE HE/SHE SHALL REMOVE THE OUTER CLOTHING AND DON A CLEAN SET OF PROTECTIVE CLOTHING. THE WORKER MAY THEN PROCEED TO THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE ONLY ALONG A DESIGNATED PATHWAY AS DESCRIBED ABOVE. TRAVEL IN ANY OTHER AREA SHALL NOT BE ALLOWED.
- (6) REMOVAL. THE REMOTE PERSONAL DECONTAMINATION UNIT SHALL BE REMOVED ONLY AFTER SATISFACTORY CLEARANCE AIR SAMPLING RESULTS HAVE BEEN ACHIEVED.

WASTE DECONTAMINATION SYSTEM ENCLOSURE—LARGE AND SMALL ASBESTOS PROJECTS.

- (1) ENCLOSURE—GENERAL. A WASTE DECONTAMINATION SYSTEM ENCLOSURE SHALL BE PROVIDED OUTSIDE THE REGULATED ABATEMENT WORK AREA AND SHALL BE ATTACHED TO THE REGULATED ABATEMENT WORK AREA. ONE WASTE DECONTAMINATION ENCLOSURE FOR EACH REGULATED ABATEMENT WORK AREA SHALL BE REQUIRED. THIS SYSTEM MAY UTILIZE ADEQUATE EXISTING LIGHTING SOURCES SEPARATE FROM THE DECONTAMINATION SYSTEM ENCLOSURE, OR SHALL BE SUPPLIED WITH A GFCI PROTECTED TEMPORARY LIGHTING SYSTEM. THE WASTE DECONTAMINATION SYSTEM ENCLOSURE SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF WORKERS AND EQUIPMENT FOR THE INTENDED PURPOSE. SUCH SYSTEM MAY CONSIST OF EXISTING ATTACHED ROOMS OUTSIDE OF THE REGULATED ABATEMENT WORK AREA, IF THE LAYOUT IS APPROPRIATE, THAT CAN BE PLASTICIZED AND ARE ACCESSIBLE FROM THE REGULATED ABATEMENT WORK AREA. WHEN THIS SITUATION DOES NOT EXIST, ENCLOSURE SYSTEMS MAY BE CONSTRUCTED OF METAL, WOOD OR PLASTIC SUPPORTS COVERED WITH FIRE-RETARDANT PLASTIC SHEETING. A MINIMUM OF ONE LAYER OF SIX MIL FIRE-RETARDANT PLASTIC SHEETING SHALL BE INSTALLED ON THE CEILING, AND WALLS OF THE ENCLOSURE SYSTEM. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOORING PROTECTION OF THIS AREA. THIS SYSTEM MUST BE KEPT CLEAN, SANITARY AND CLIMATE CONTROLLED AT ALL TIMES IN CONFORMANCE TO ALL FEDERAL, STATE AND LOCAL GOVERNMENT REQUIREMENTS. THIS SYSTEM SHALL REMAIN AND BE USED UNTIL COMPLETION OF PHASE II C OF THE ASBESTOS PROJECT.
- (2) ROOMS AND CONFIGURATION. A WASTE DECONTAMINATION SYSTEM ENCLOSURE SHALL CONSIST OF A WASHROOM AND A HOLDING AREA CONNECTED IN SERIES BUT SEPARATED FROM EACH OTHER BY AN AIRLOCK. THERE SHALL BE A LOCKABLE DOOR TO THE OUTSIDE, AND THERE SHALL BE A CURTAINED DOORWAY BETWEEN THE WASHROOM AND THE REGULATED ABATEMENT WORK AREA.
- (3) CURTAINED DOORWAY. AN ASSEMBLY WHICH CONSISTS OF AT LEAST THREE OVERLAPPING SHEETS OF SIX MIL FIRE-RETARDANT PLASTIC OVER AN EXISTING OR TEMPORARILY FRAMED DOORWAY. ONE SHEET SHALL BE SECURED AT THE TOP AND LEFT SIDE, THE SECOND SHEET AT THE TOP AND RIGHT SIDE, AND THE THIRD SHEET AT THE TOP AND LEFT SIDE. ALL SHEETS SHALL HAVE WEIGHTS ATTACHED TO THE BOTTOM TO INSURE THAT THE SHEETS HANG STRAIGHT AND MAINTAIN A SEAL OVER THE DOORWAY WHEN NOT IN USE.
- (4) WASHROOM. A ROOM/CHAMBER BETWEEN THE REGULATED ABATEMENT WORK AREA AND THE HOLDING AREA IN THE WASTE DECONTAMINATION SYSTEM ENCLOSURE, WHERE EQUIPMENT AND WASTE CONTAINERS ARE WET CLEANED OR HEPA-VACUUMED, ADEQUATE DRAINAGE AND BAG/CONTAINER WASH WATER SHALL BE PROVIDED WITHIN THE ROOM/CHAMBER, AS WELL AS A SUFFICIENT QUANTITY OF CLEAN WASTE BAGS/CONTAINERS.
- (5) EQUIPMENT WASHROOM ALTERNATIVE. WHERE THERE IS ONLY ONE EXIT FROM THE REGULATED ABATEMENT WORK AREA, THE HOLDING AREA OF THE WASTE DECONTAMINATION SYSTEM ENCLOSURE MAY BRANCH OFF FROM THE EQUIPMENT ROOM OF THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE. THE EQUIPMENT ROOM WILL ALSO BE USED AS A WASTE WASHROOM.
- (6) PLASTIC SHEETING. WASTE DECONTAMINATION SYSTEM ENCLOSURES CONSTRUCTED AT THE WORK SITE SHALL USE AT LEAST ONE LAYER OF SIX MIL FIRE-RETARDANT

PLASTIC SHEETING ON WALLS AND CEILING. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOORING PROTECTION OF THESE AREAS.

- (7) ENCLOSURE SECURITY. THE WASTE DECONTAMINATION SYSTEM ENCLOSURE AND REGULATED ABATEMENT WORK AREA AIRLOCK(S) WHEN REMOTE DECONTAMINATION SYSTEMS ARE USED) SHALL BE CONSTRUCTED WITH LOCKABLE DOORS TO PREVENT UNAUTHORIZED ENTRY. ENCLOSURE SYSTEMS LOCATED WITHIN 25 FEET OF AN AREA OF PUBLIC ACCESS SHALL BE FULLY FRAMED AND HARD-WALL SHEATHED FOR SAFETY.
- (8) DRAINS. THE WASTE WASHROOM SHALL BE EQUIPPED WITH A WASH BIN OF SUFFICIENT SIZE TO PERFORM WASTE CONTAINER WASHING OPERATIONS AND SHALL HAVE A SUBMERSIBLE PUMP INSTALLED TO COLLECT WASTE WATER AND DELIVER IT TO THE SHOWER WASTEWATER FILTRATION SYSTEM WHERE IT SHALL BE FILTERED IN ACCORDANCE WITH PARAGRAPH (B)(10) OF NYCRR PART 56-7.5.
- (9) SHOWER/WASHROOM ALTERNATIVE — SMALL ASBESTOS PROJECT. FOR SMALL ASBESTOS PROJECTS WITH ONLY ONE EXIT FROM THE REGULATED ABATEMENT WORK AREA, THE SHOWER ROOM MAY BE USED AS A WASTE WASHROOM. THE CLEAN ROOM SHALL NOT BE USED FOR WASTE STORAGE, BUT SHALL BE USED FOR WASTE TRANSFER TO CARTS, WHICH SHALL BE IMMEDIATELY REMOVED FROM THE ENCLOSURE. WASTE SHALL BE TRANSFERRED ONLY DURING TIMES WHEN THE SHOWERS ARE NOT IN USE.

WASTE DECONTAMINATION SYSTEM ENCLOSURE — WHEN REMOTE PERSONAL IS ALLOWED.

WHEN A REMOTE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE IS ALLOWED AND UTILIZED FOR A REGULATED ABATEMENT WORK AREA, THE FOLLOWING REQUIREMENTS SHALL APPLY:

- (1) MINOR SIZE REGULATED ABATEMENT WORK AREA. NO SPECIFIC WASTE DECONTAMINATION SYSTEM ENCLOSURE IS REQUIRED FOR MINOR SIZE REGULATED ABATEMENT WORK AREAS. THE WASTE GENERATED SHALL BE IMMEDIATELY BAGGED/CONTAINERIZED WITHIN THE REGULATED ABATEMENT WORK AREA.
- (2) SMALL AND LARGE SIZE REGULATED ABATEMENT WORK AREAS.
- (3) WASHROOM. AN ADDITIONAL CHAMBER SHALL BE CONSTRUCTED WITHIN THE REGULATED ABATEMENT WORK AREA, ATTACHED TO THE EXISTING AIRLOCK USED TO ACCESS THE WORK AREA. THE WASHROOM/AIRLOCK COMBINATION SHALL BE UTILIZED AS THE CONTIGUOUS WASTE DECONTAMINATION ENCLOSURE FOR WASTE BAGGING/CONTAINERIZATION AND WASTE TRANSFER ACTIVITIES. THE WASHROOM SHALL BE CONSTRUCTED AND SUPPLIED WITH EQUIPMENT/MATERIALS CONSISTENT WITH WASTE DECONTAMINATION SYSTEM ENCLOSURE WASHROOM REQUIREMENTS FOR CONTIGUOUS PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURES.
- (4) REMOVAL. THE WASHROOM CHAMBER SHALL BE REMOVED ONLY AFTER SATISFACTORY CLEARANCE AIR SAMPLING RESULTS HAVE BEEN ACHIEVED.

TENT PROCEDURES

TENT PROCEDURES SHALL BE CONDUCTED AS FOLLOWS:

- (A) TENT PROCEDURES SHALL BE LIMITED TO THE REMOVAL OF LESS THAN 260 LINEAR FEET AND 160 SQUARE FEET OF ACM AND SHALL NOT RESULT IN DISTURBANCE OF ACM DURING TENT ERECTION.
- (B) TENT PROCEDURES SHALL BE ACCOMPLISHED IN A CONSTRUCTED OR COMMERCIALY AVAILABLE FIRE RETARDANT PLASTIC TENT, PLASTICIZING AND SEALING ALL SURFACES NOT BEING ABATED WITHIN THE TENT PERIPHERY FORMING AN ENCLOSURE. THE TENT SHALL BE OF FIRE RETARDANT 6-MIL PLASTIC AT A MINIMUM, WITH SEAMS HEAT-SEALED, OR DOUBLE-FOLDED, STAPLED AND TAPED AIRTIGHT AND THEN TAPED FLUSH WITH THE ADJACENT TENT WALL. THIS IS A SINGLE USE BARRIER THAT SHALL NOT BE REUSED ONCE DISMANTLED OR COLLAPSED.
- (C) THERE SHALL BE AN AIRLOCK AT THE ENTRANCE TO THE TENT, UNLESS THERE IS AN ATTACHED WORKER OR WASTE DECONTAMINATION SYSTEM.
- (D) ASBESTOS HANDLERS INVOLVED IN THE TENT PROCEDURE SHALL WEAR PERSONAL PROTECTIVE EQUIPMENT PLUS A SECOND DISPOSABLE SUIT. ALL STREET CLOTHES SHALL BE REMOVED AND STORED IN A CLEAN ROOM WITHIN THE WORK SITE. THE PERSONAL PROTECTIVE EQUIPMENT WITH TWO DISPOSABLE SUITS SHALL BE USED FOR INSTALLATION OF THE TENT AND THROUGHOUT THE PROCEDURE IF A DECONTAMINATION UNIT WITH A SHOWER IS NOT CONTIGUOUS TO THE WORK AREA. IF A DECONTAMINATION UNIT (WITH SHOWER AND CLEAN ROOM AT A MINIMUM) IS CONTIGUOUS TO THE WORK AREA, ONLY ONE DISPOSABLE SUIT SHALL BE REQUIRED; IN THIS CASE, PRIOR TO EXITING THE TENT THE WORKER SHALL HEPA VACUUM AND WET CLEAN THE DISPOSABLE SUIT.
- (E) THE TENT SHALL BE ATTACHED TO THE SURFACE TO PRODUCE AN AIRTIGHT SEAL EXCEPT FOR AN APPROPRIATE SECTION TO ALLOW FOR MAKE-UP AIR INTO THE TENT.
- (F) NEGATIVE PRESSURE VENTILATION EQUIPMENT SHALL BE USED TO CONTINUOUSLY EXHAUST THE ENCLOSED AREA.
- (G) REMOVAL OF ACM SHALL BE BY WET METHODS IN ACCORDANCE.
- (H) ACM REMOVED SHALL BE PLACED IN A LEAK-TIGHT CONTAINER WITHOUT DROPPING IT.
- (I) UPON COMPLETION OF ABATEMENT, AND PRIOR TO TENT COLLAPSE, THE ENCLOSED SURFACES SHALL:
 - (1) BE WET CLEANED USING RAGS, MOPS OR SPONGES; AND
 - (2) BE PERMITTED SUFFICIENT TIME TO DRY, PRIOR TO HEPA VACUUMING ALL SUBSTRATES; AND
 - (3) BE LIGHTLY ENCAPSULATED TO LOCKDOWN RESIDUAL ASBESTOS.
- (J) UPON BARRIER DISTURBANCE, LOSS OF ENGINEERING CONTROLS, OR TERMINATION OF TENT USAGE, THE TENT AND THE ENCLOSED SURFACES SHALL BE TREATED ACCORDING TO SUBDIVISION (I) ABOVE.
- (K) THE BAGGED WASTE SHALL BE WET CLEANED OR HEPA VACUUMED AND THEN TRANSFERRED OUTSIDE THE TENT, DOUBLE BAGGED, AND APPROPRIATELY HANDLED PRIOR TO DISPOSAL.
- (L) THE OUTER DISPOSABLE SUIT (IF 2 SUITS ARE WORN) SHALL BE HEPA VACUUMED IN THE TENT PRIOR TO EXITING. THE OUTER DISPOSABLE SUIT SHALL BE REMOVED IN THE AIRLOCK AND A CLEAN SUIT SHALL BE WORN OVER THE INNER SUIT. THE WORKERS SHALL IMMEDIATELY PROCEED TO A SHOWER AT THE WORK SITE. THE INNER DISPOSABLE SUIT AND RESPIRATOR SHALL BE REMOVED IN THE SHOWER AFTER APPROPRIATE WETTING. THE DISPOSABLE CLOTHING SHALL BE DISPOSED OF AS ASBESTOS-CONTAINING WASTE MATERIAL. THE WORKERS SHALL THEN FULLY AND VIGOROUSLY SHOWER WITH SUPPLIED LIQUID BATH SOAP, SHAMPOO, AND CLEAN DRY TOWELS.
- (M) THE NEGATIVE PRESSURE VENTILATION EQUIPMENT SHALL BE USED TO FILTER A MINIMUM OF 4 VOLUME CHANGES THROUGH THE TENT AFTER COMPLETION OF ABATEMENT BUT PRIOR TO COLLAPSE OF THE TENT/BARRIER. ALL REQUIRED AIR MONITORING MUST BE SUCCESSFULLY COMPLETED BEFORE THE TENT/BARRIER IS COLLAPSED.
- (N) THE TENT SHALL BE COLLAPSED INWARD, ENCLOSING THE CONTAMINATED CLOTHING. THIS CONTAMINATED MATERIAL SHALL BE DISPOSED OF IN ANOTHER PLASTIC BAG. THE HEPA VACUUM SHALL BE DECONTAMINATED AND SEALED.

66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

PROJECT NAME

YONKERS
PUBLIC SCHOOLS

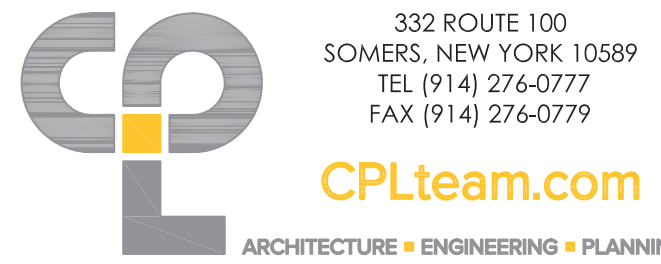
PS 16 - YONKERS

759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
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INTERIORS, SECURITY
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KEY PLAN



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1511 RT 22, BROWSTOWN, NY 10509
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MECHANICAL ELECTRICAL CONSULTANT



REV. NO.	DATE	DESCRIPTION
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03	11/16/20	ISSUED FOR BID

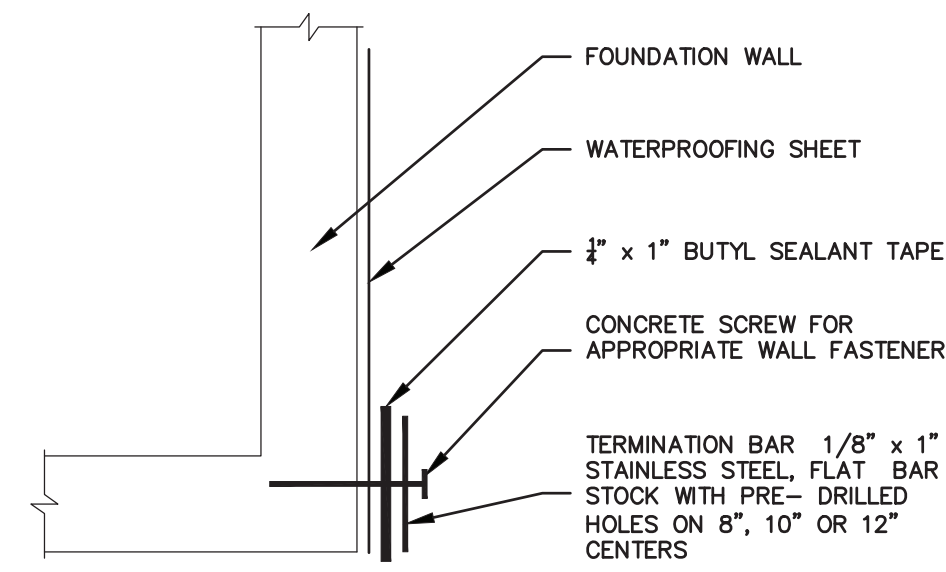
SCALE: AS SHOWN DATE: 1/23/19
DRAWN BY: K.C. CHECKED BY: C.G.

DRAWING TITLE

PART FIRST FLOOR
ABATEMENT PLAN

SHEET NO.

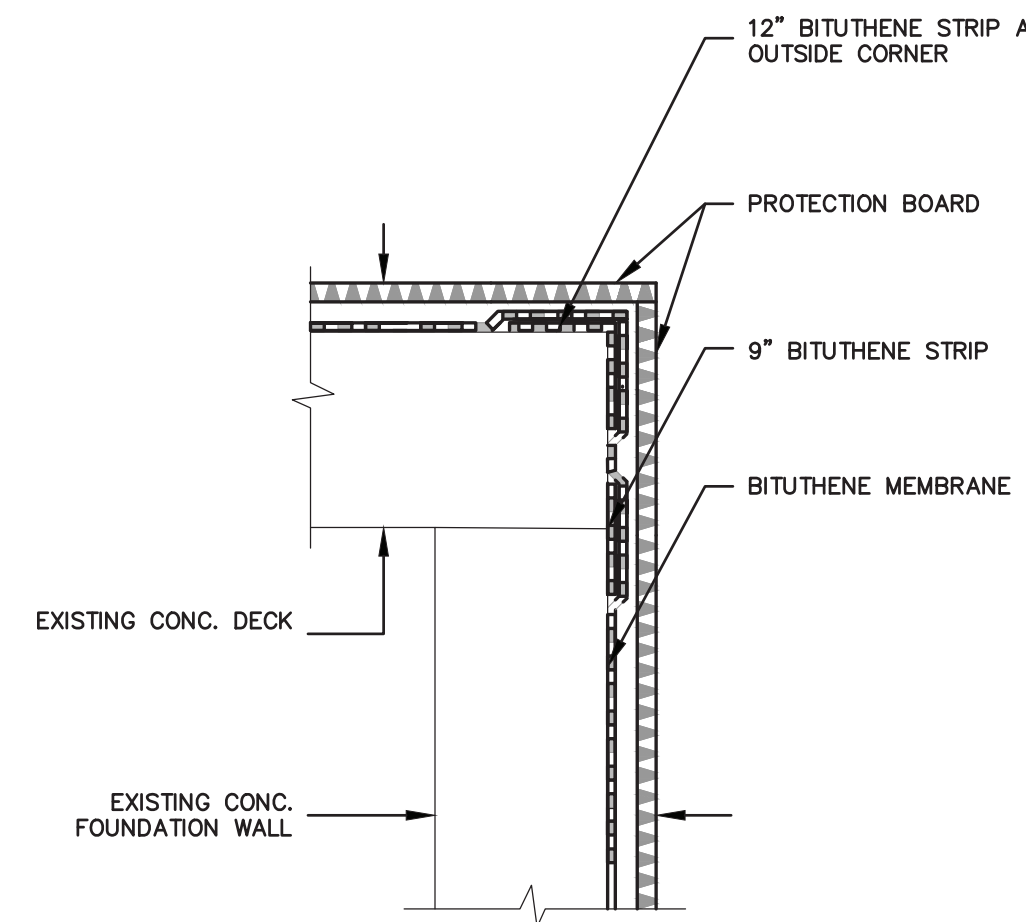
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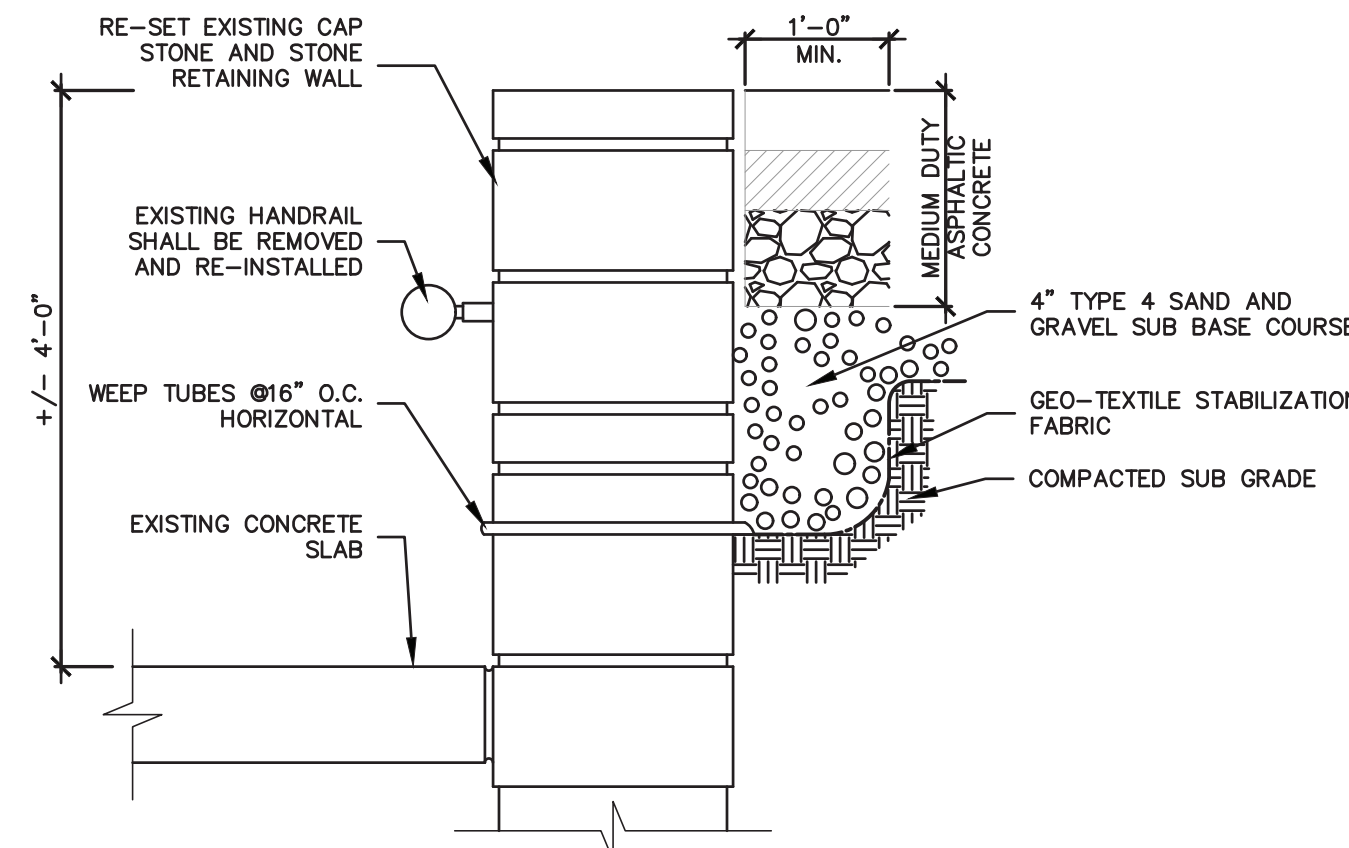
3 VERTICAL TERMINATION OF SHEET MEMBRANE DETAIL
SCALE: 1-1/2"=1'-0"

SHEET MEMBRANE NOTES:

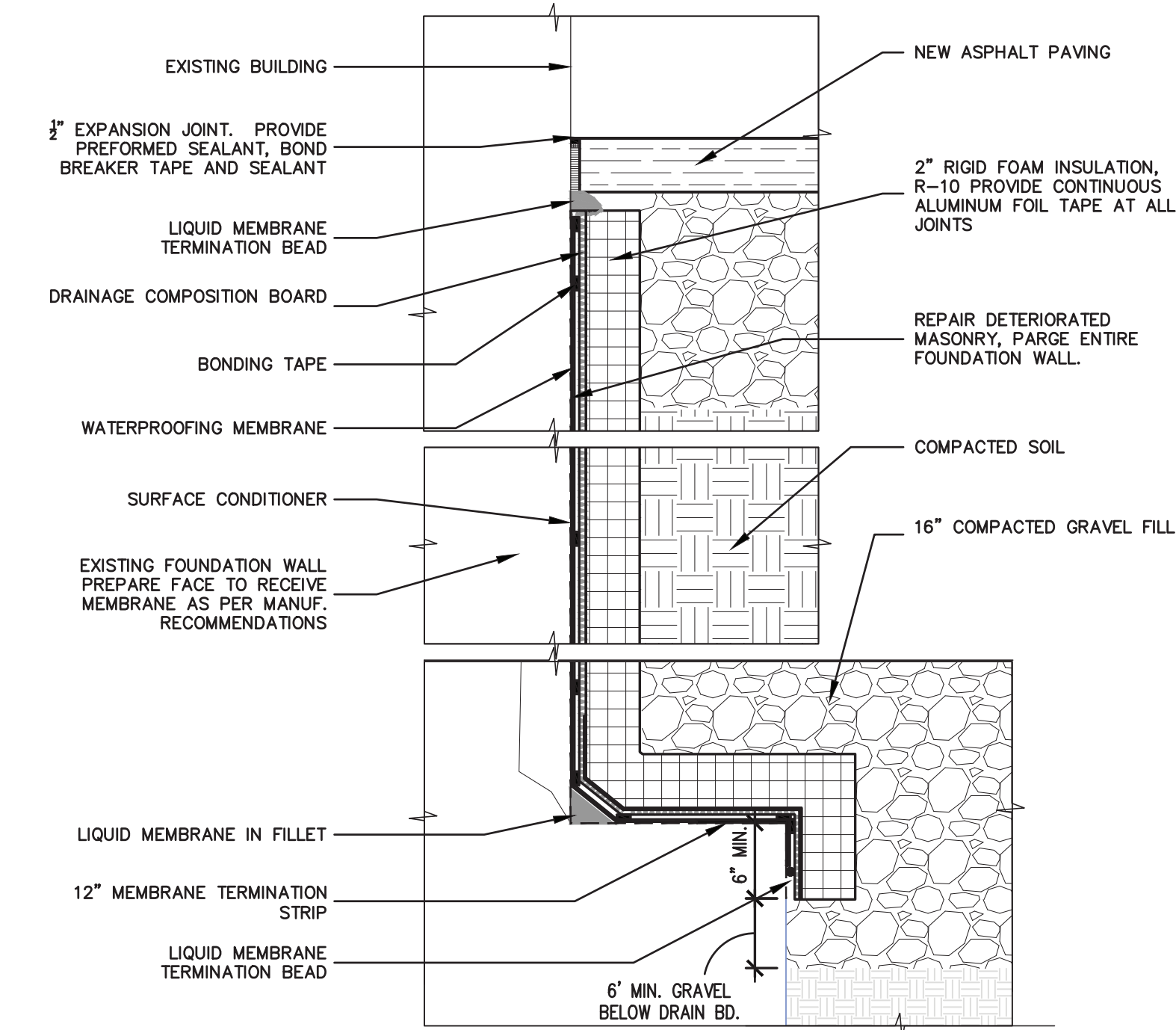
1. SHEET MEMBRANE IS SIMILAR OR EQUAL TO BITUTHENE 4000 BY GRACE PRODUCTS. PROTECTION BOARD, SIM OR EQUAL TO SEALTIGHT PROTECTION COURSE PC-2 BY W.R. MEADOWS. (APPROX. ----- SF)
2. FOLLOW ALL MANUFACTURER REQUIREMENTS FOR WATERPROOFING SYSTEM.
3. THE CONTRACTOR SHALL CONFORM TO SAFETY REQUIREMENTS DURING EXCAVATION COMPLYING WITH NYC DC 26-229 AND 27-1032.
4. HEAVY EQUIPMENT SHALL NOT BE PERMITTED CLOSER THAN 10'-0" TO ANY FOUNDATION.
5. CONTRACTOR SHALL COORDINATE EXCAVATION WITH ALL APPLICABLE UTILITY AGENCIES TO VERIFY ALL EXISTING LOCATIONS OF EQUIPMENT/UTILITIES BELOW GRADE.
6. PROVIDE SHORING, BRACING, FILL PROTECTION AND DE-WATERING AS REQUIRED AT ENTIRE PERIMETER OF EXCAVATED AREA.
7. ALL SHORING PLANS SHALL BE PREPARED BY CONTRACTORS LICENSED ENGINEER, STAMPED AND APPROVED.



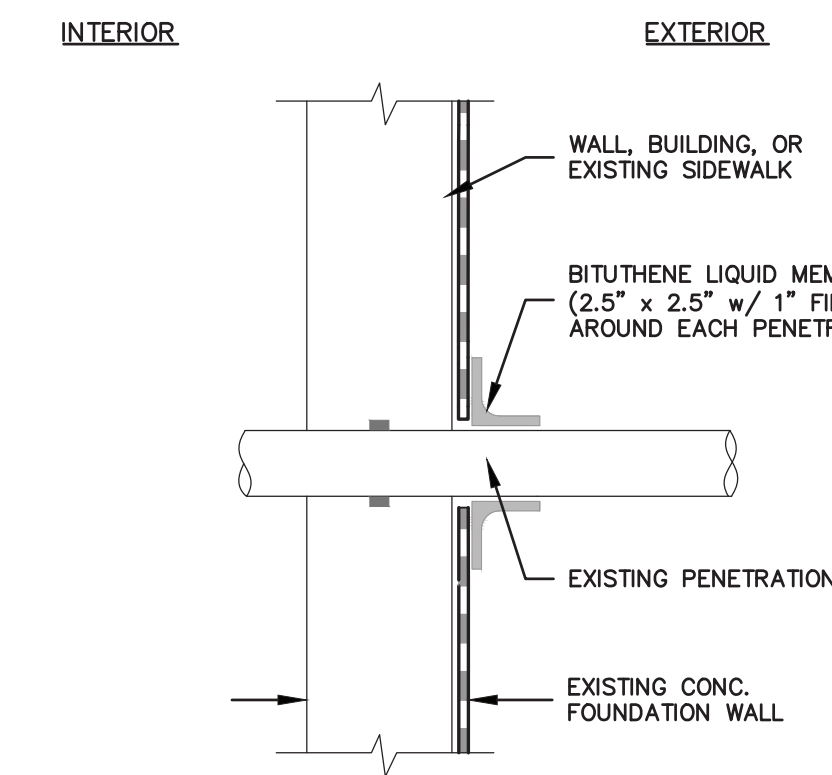
2 WALL TIE IN/OUTSIDE CORNER DETAIL
SCALE: 3"=1'-0"



5 SECTION THROUGH RETAINING WALL
SCALE: 3/4"=1'-0"



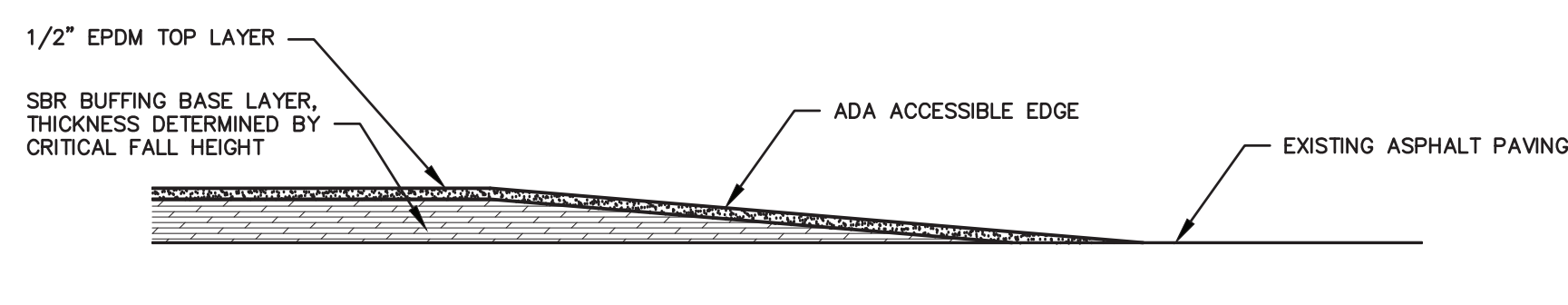
1 WATERPROOFING DETAIL
SCALE: 1-1/2"=1'-0"



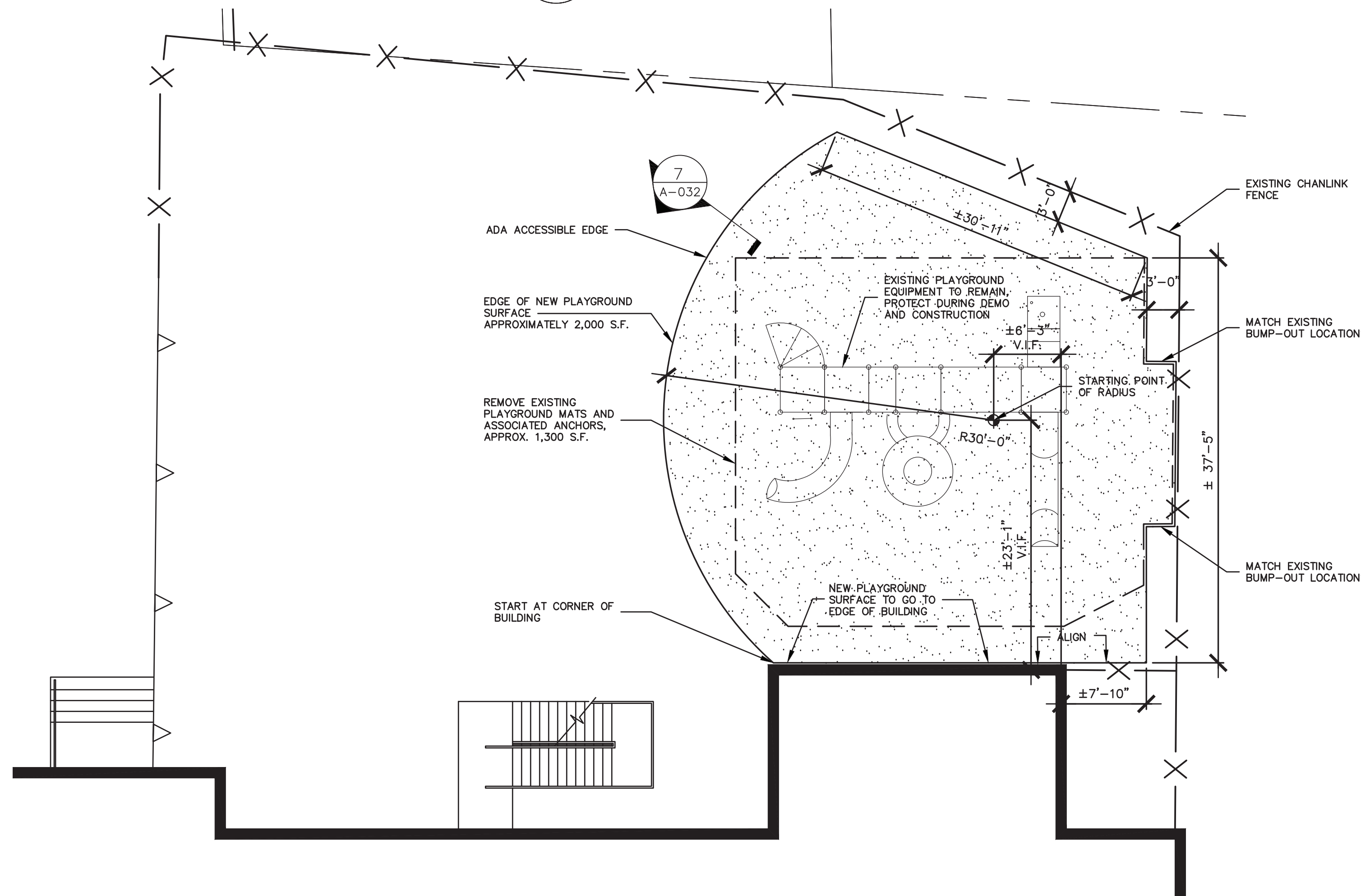
4 WALL PENETRATION WATERPROOFING DETAIL
SCALE: 1-1/2"=1'-0"

NOTE:

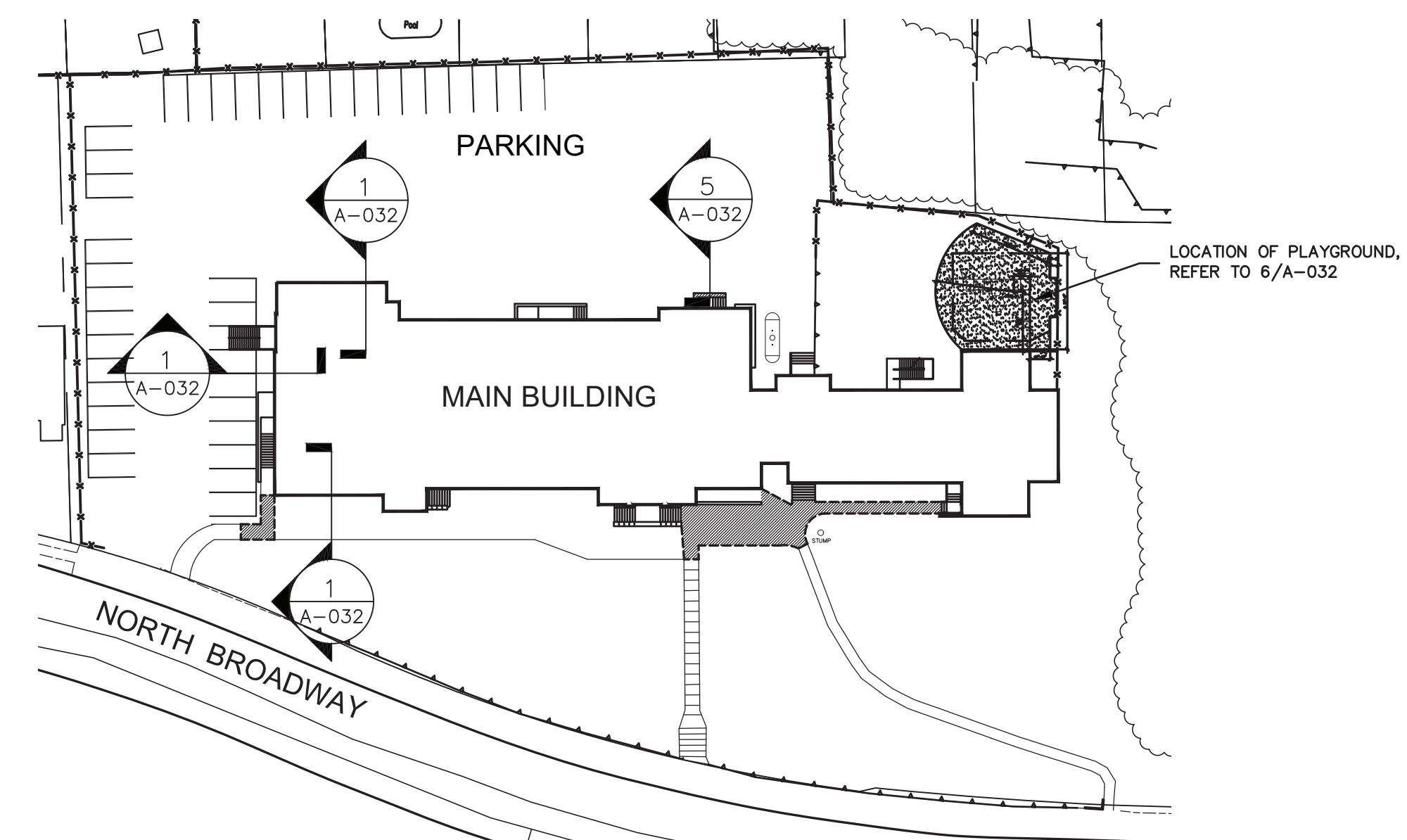
1. ALL WORK SHOWN ON THIS SHEET SHALL BE FURNISHED BY THE SITE CONTRACTOR. REFER TO CIVIL DRAWING C-100 FOR ADDITIONAL INFORMATION.



7 PLAYGROUND RESURFACING DETAIL
SCALE: 1-1/2"=1'-0"



6 PLAYGROUND RESURFACING PLAN
SCALE: 1/8"=1'-0"



SITE KEY PLAN
N.T.S.

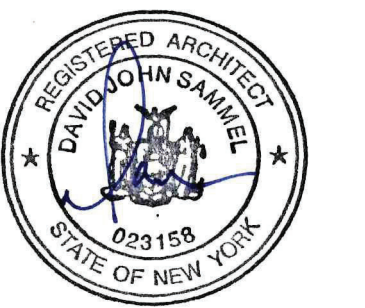
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YONKERS PROJECT NUMBER
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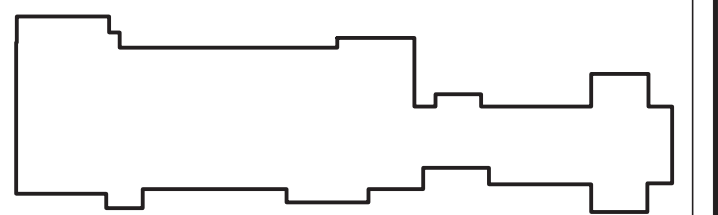
PROJECT NAME
YONKERS
PUBLIC SCHOOLS

PS 16 - YONKERS
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YONKERS, NY 10701

RESTORATION OF
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PHONE: 914-286-6660 FAX: 914-286-0944 Gemail@BG&A-Eng.com

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DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE

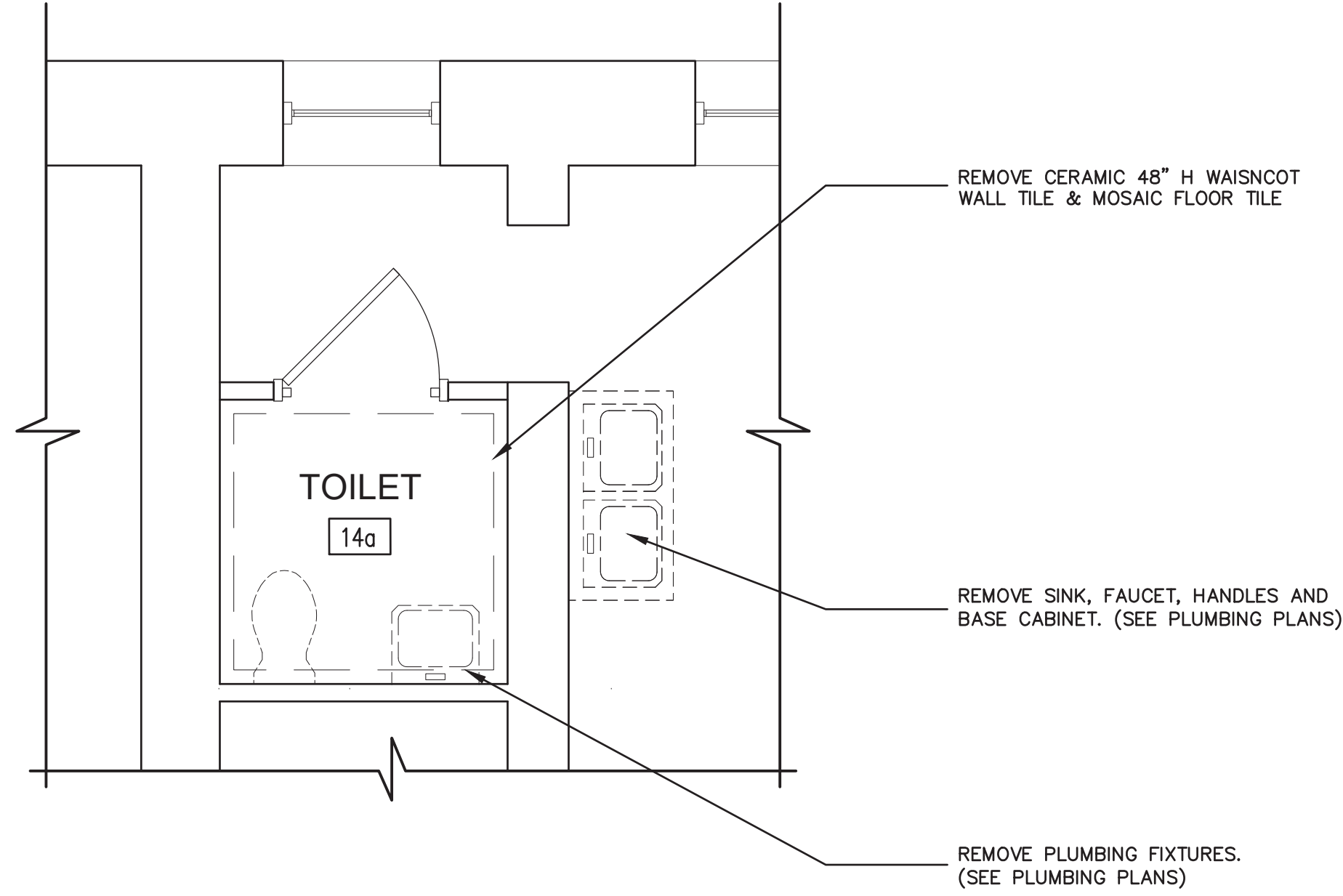
SITE DETAILS

SHEET NO.

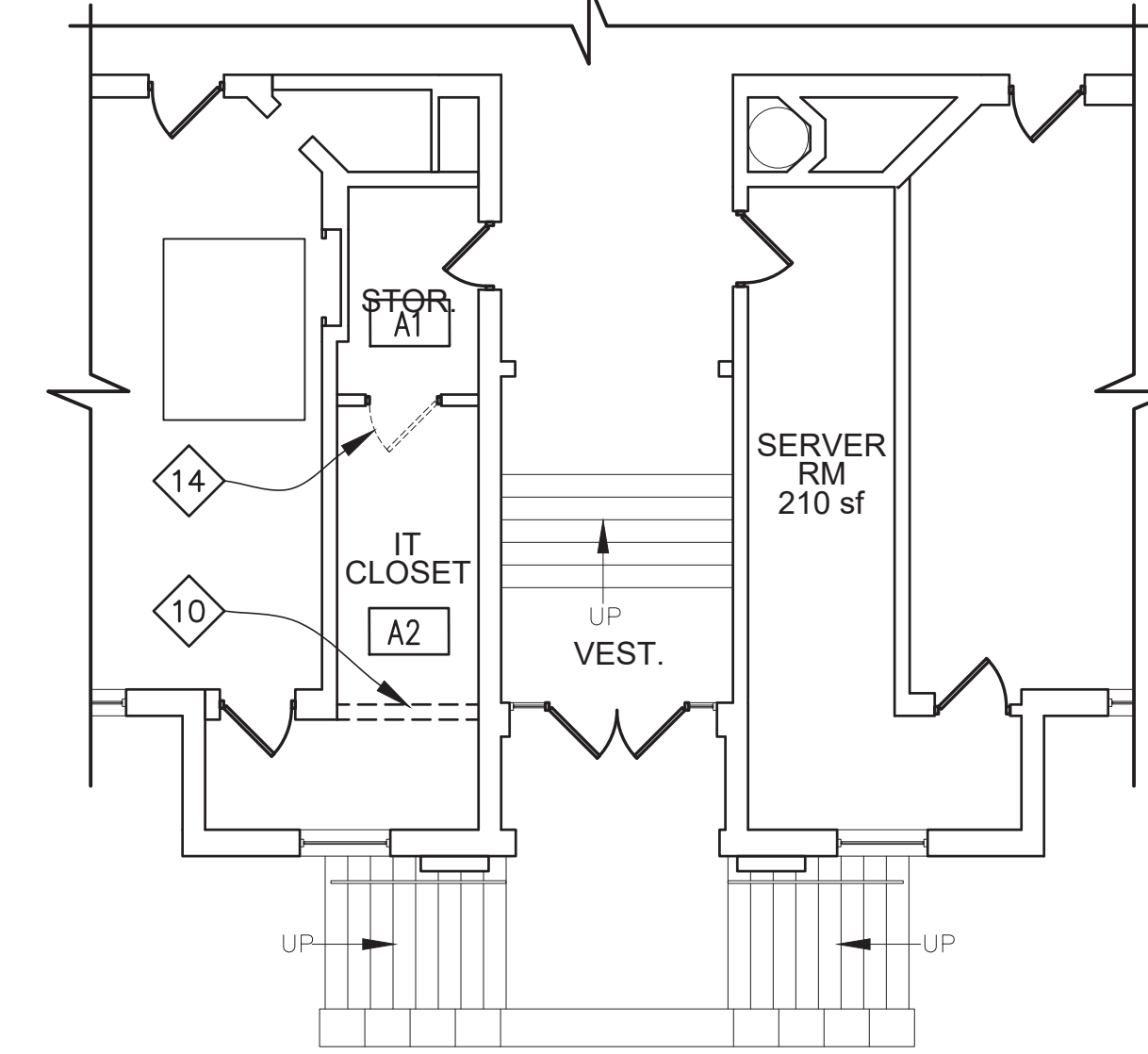
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REMOVAL SCOPE NOTES: (SEE OTHER TRADE DWGS FOR ADDITIONAL REMOVALS)

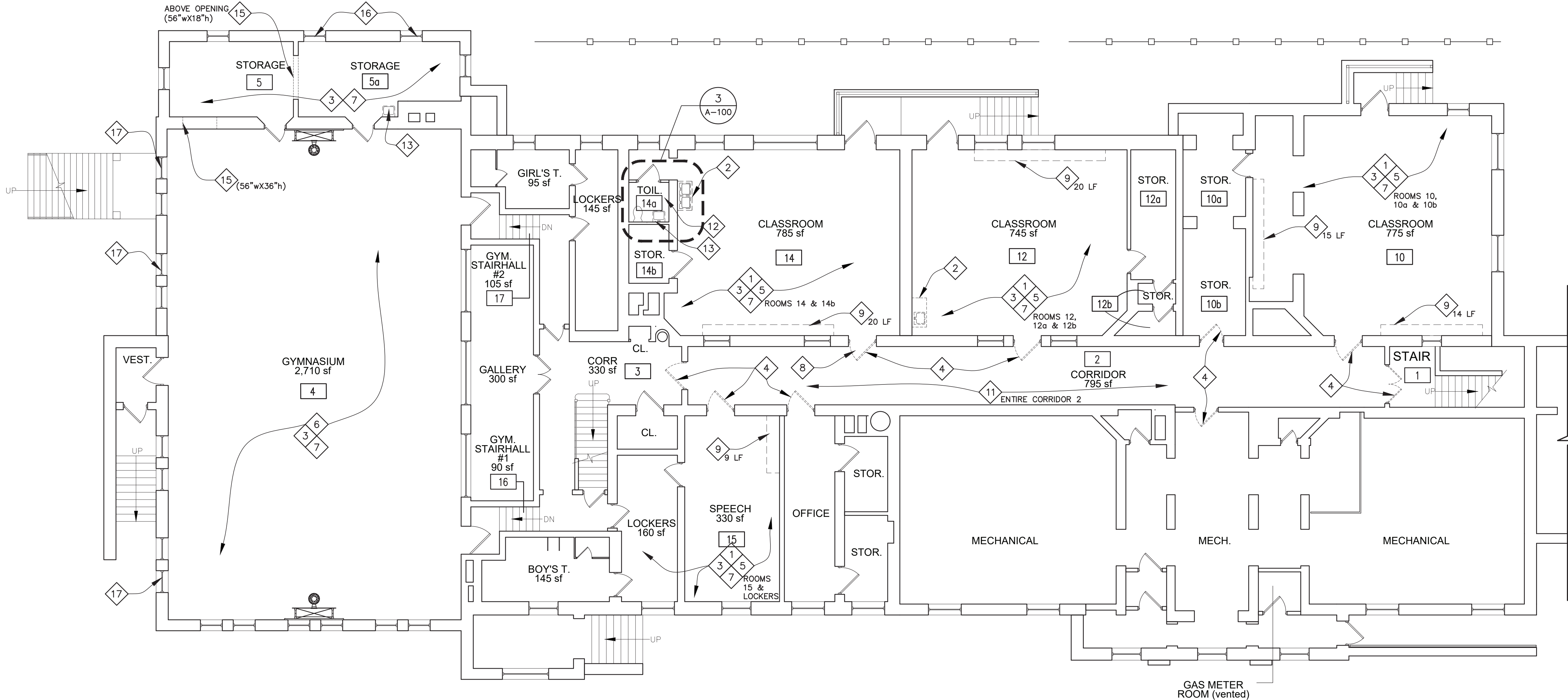
- 1 REMOVE, PROTECT, STORE AND REINSTALL EXISTING WINDOW SHADES.
- 2 REMOVE SINK, FAUCET, HANDLES AND BASE CABINET. EXISTING WATER SUPPLY, VENT AND DRAIN LINES TO REMAIN FOR RECONNECTION TO NEW SINK. (SEE PLUMBING PLANS).
- 3 REMOVE SURFACE MOUNTED AND CHAIN HUNG LIGHTING FIXTURES. ELECTRIC BOX TO REMAIN. (SEE ELECTRIC PLANS.) COORDINATE REMOVALS WITH HAZARDOUS MATERIALS WORK.
- 4 REMOVE EXISTING DOOR SLABS, LATCHES, HINGES, AND STRIKE PLATES. DOOR FRAME AND TRANSOM LIGHT TO REMAIN.
- 5 REMOVE EXISTING VAT FLOORING, MASTIC AND RUBBER BASE. COORDINATE REMOVALS WITH HAZARDOUS MATERIALS DRAWINGS AND SPECIFICATIONS.
- 6 REMOVE GYM FLOOR SYSTEM (2) LAYERS VAT FLOORING ON ½" MARINE PLYWOOD ON 2" MASTIC FILLER AND STEEL ANGLE BASE AT PERIMETER OF FLOOR (APPROX. 215 L.F.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS AND SPECIFICATIONS. SEE DETAIL #5 ON SHEET A-802.
- 7 REMOVE FROM PLASTER WALLS AND CEILING ALL LOOSE MATERIALS IN PREPARATION FOR REPAINTING.
- 8 REMOVE WOOD IN-FILL AT DOOR HEAD WITHIN FRAME.
- 9 REMOVE BUILT-IN CASEWORK - COORDINATE WITH HAZARDOUS MATERIALS ABATEMENT SCOPE.
- 10 REMOVE GYPSUM BOARD AND LIGHT GAUGE-FRAMED WALL TO EXTENT SHOWN ON PLAN.
- 11 REMOVE APPROX. 75 LF OF WOOD WALL BASE.
- 12 REMOVE CERAMIC FLOOR AND WALL TILE.
- 13 REMOVE PLUMBING FIXTURES BY PLUMBING CONTRACTOR (SEE PLUMBING PLANS).
- 14 REMOVE EXISTING DOOR AND GYP. BD. FROM ONE SIDE OF WALL TO ALLOW FOR INSTALLATION OF SECURITY COMPONENTS.
- 15 NEW OPENING IN EXISTING CONCRETE WALL AS REQUIRED FOR DUCTWORK INSTALLATION. COORDINATE SIZE AND LOCATION W/ MECHANICAL DRAWINGS.
- 16 REMOVE, PROTECT AND STORE EXISTING WINDOW ASSEMBLY TO BE RELOCATED TO SOUTH WALL OF GYMNASIUM.
- 17 REMOVE EXISTING WINDOW ASSEMBLY & WINDOW GUARDS AND TURN OVER TO OWNER.



3 TOILET ROOM: REMOVALS
SCALE: 3/8"=1'-0"



2 PARTIAL FIRST FLOOR PLAN: REMOVALS
SCALE: 1/8"=1'-0"



1 PARTIAL BASEMENT FLOOR REMOVALS PLAN
SCALE: 1/8"=1'-0"

66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

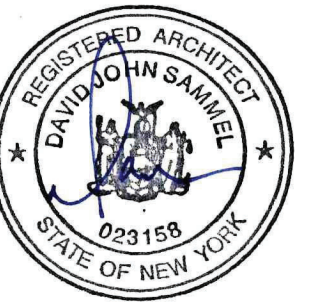
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PROJECT NAME

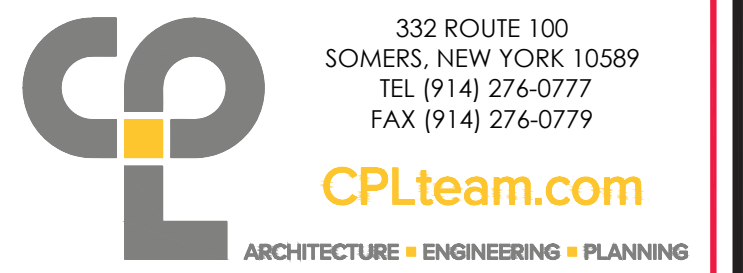
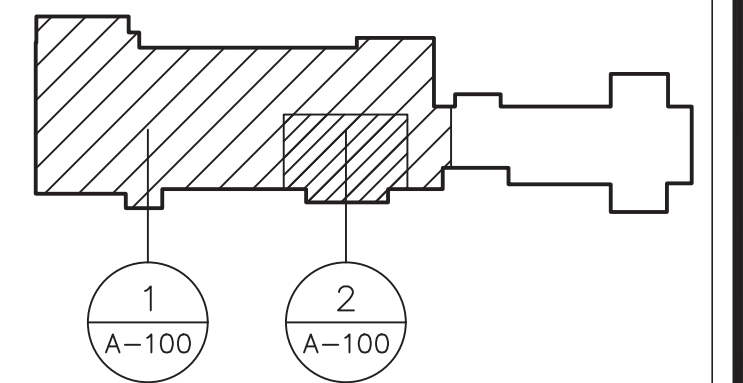
YONKERS
PUBLIC SCHOOLS

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RESTORATION OF
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DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE
BASEMENT & FIRST
FLOOR LEVEL
REMOVAL PLANS &
SCOPE NOTES

SHEET NO.

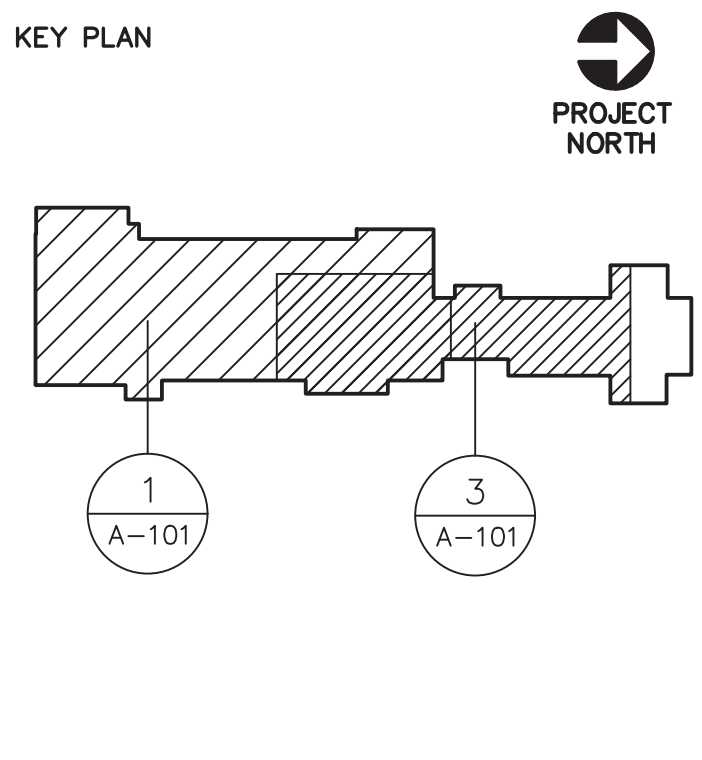
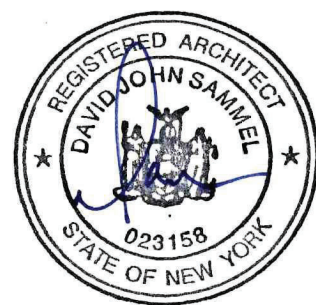
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PROJECT NAME
**YONKERS
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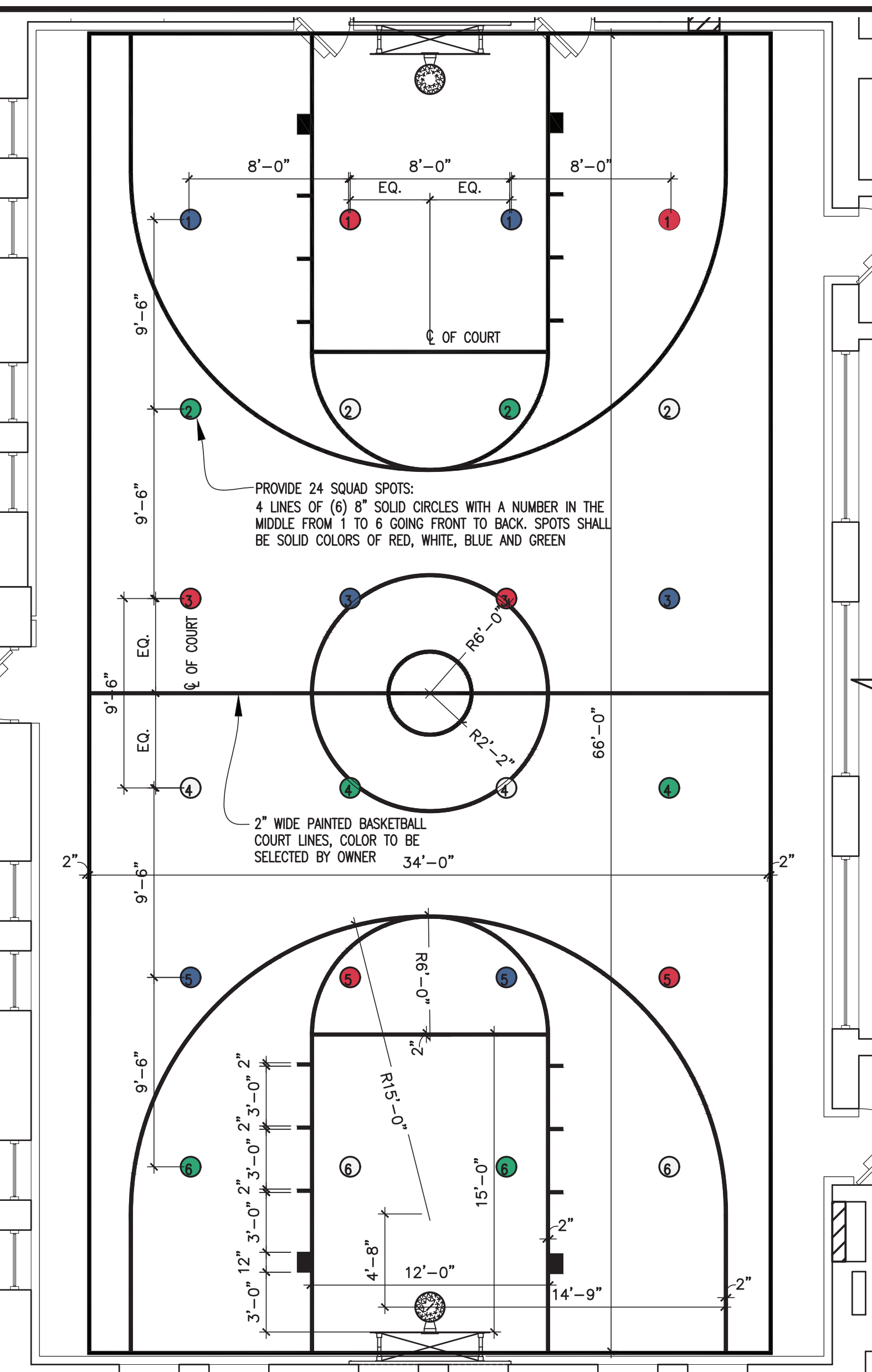
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**BASEMENT & 1ST.
FLR LEVEL
CONSTRUCTION
PLAN & SCOPE
NOTES**

SHEET NO.

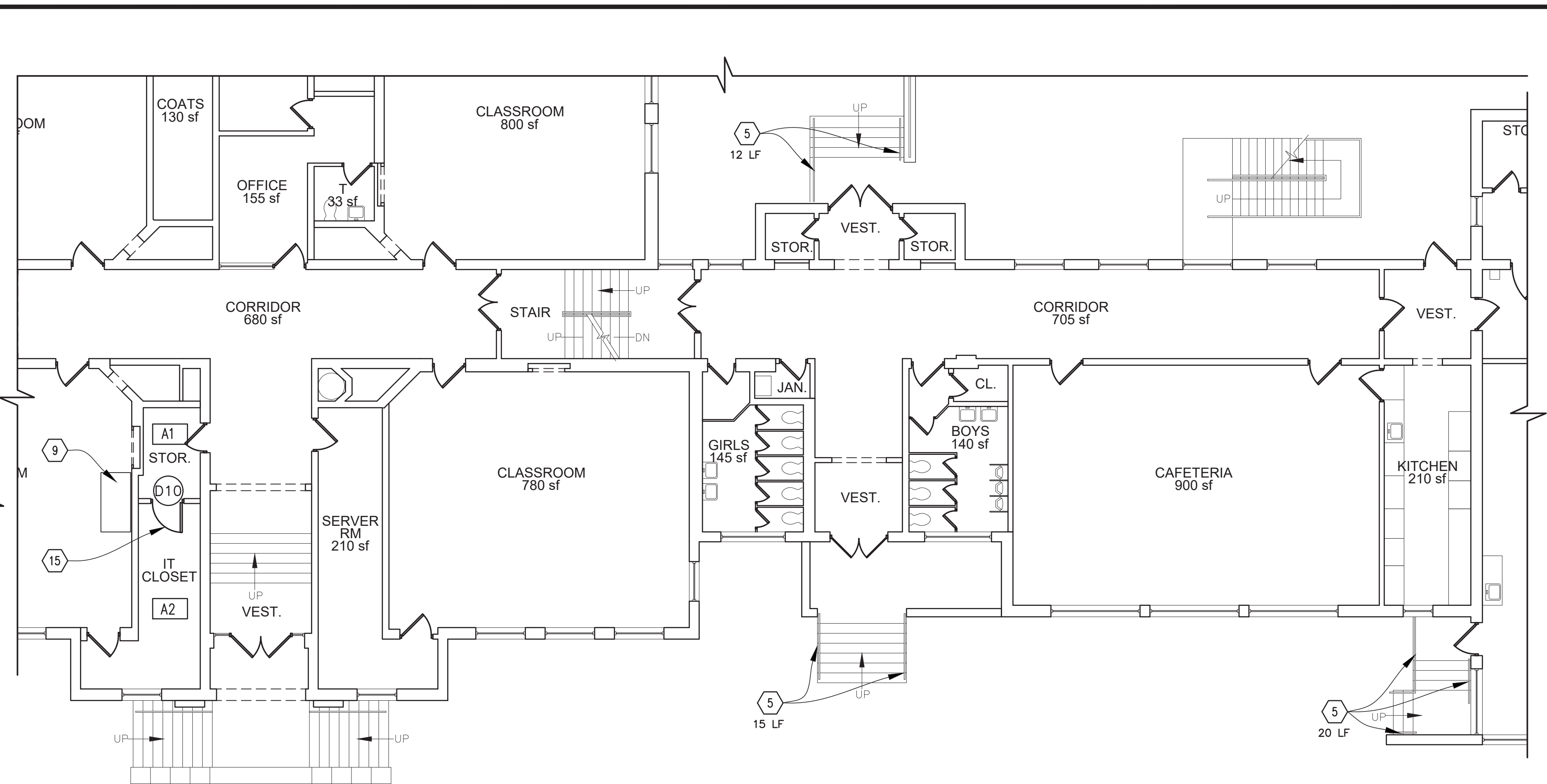
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CONSTRUCTION SCOPE NOTES:

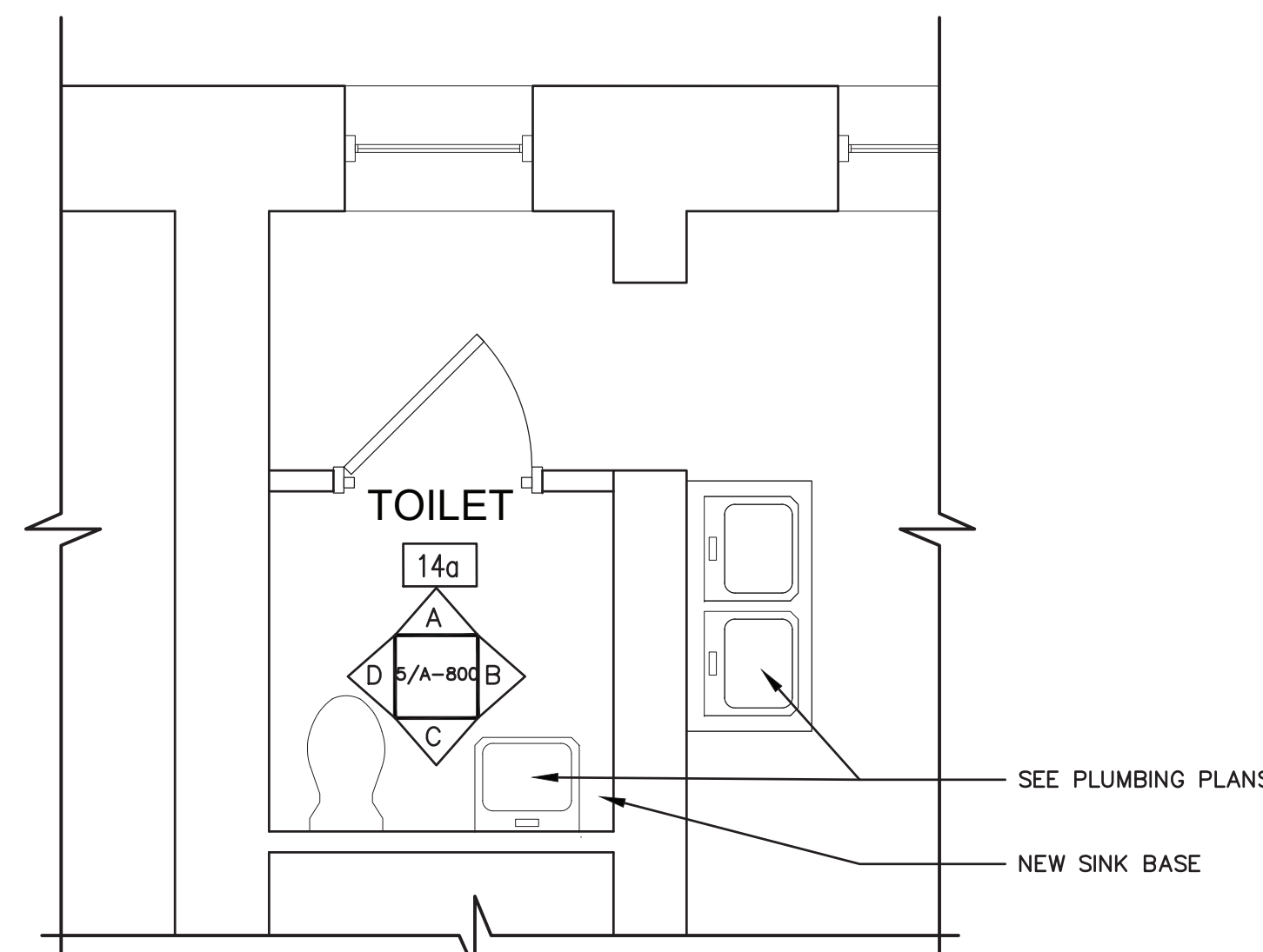
- 1 INFILL DEPRESSION IN FLOOR CAUSED BY REMOVALS OF FLOOR ASSEMBLY AND INSTALL SCHEDULED FLOORING. SEE DETAIL 5&6/A802.
- 2 PROVIDE NEW SINKS, FAUCET SETS AND BASE CABINETS AS DESCRIBED IN THE CONTRACT DOCUMENTS AND DETAILS 1 & 2/A-800. EVALUATE EXISTING SUPPLY, VENT AND DRAIN LINES FOR RE-USE (SEE PLUMBING PLANS) BY PLUMBING CONTRACTOR.
- 3 REPLACE/PATCH EXISTING 4" CONCRETE SLAB, INFILL REMOVED PORTIONS FOR PLUMBING APPROX. 8 SF OF NEW SLAB REQUIRED
- 4 PATCH AND LEVEL EXISTING PLASTER BRICK WALLS AND CEILING SURFACES MATCHING EXISTING ADJACENT TEXTURES. PRIME AND PAINT ALL WALLS AND CEILINGS. EXISTING PIPING, CONDUIT, WIRE MOLDING SHALL BE PREPPED AND PAINTED. ELECTRIC CONTRACTOR TO PROVIDE NEW FACEPLATES FOR DATA DROPS, OUTLETS, WALL SWITCHES AND SIMILAR APPLIANCES (SEE ELECTRICAL DRAWINGS) BY ELECTRICAL CONTRACTOR.
- 5 SCRAPE RUST SCALE AND PAINT FROM STEEL TUBE HANDRAIL, PRIME AND PAINT.
- 6 PAINT EXISTING TRANSOM/WINDOW FRAME, MUNTINS, & MULLIONS.
- 7 NEW LVT AND 4" VINYL BASE.
- 8 PROVIDE NEW CASE WORK. SEE DETAIL 9 & 10/A802.
- 9 NEW 72"x36"x18" METAL BOOK STORAGE CABINET w/ LOCK SYSTEM SIMILAR TO HERTZ FURNITURE ALL PURPOSE STORAGE CABINET SCT-40. 22 GAUGE STEEL w/ 15 YEAR WARRANTY AND THREE-POINT LOCKING. COLOR SELECTED BY OWNER.
- 10 NEW Z-CLIP MOUNTED ATHLETIC WALL PADS. REFER TO ELEVATIONS #5 1-4 ON SHEET A-802
- 11 NEW 6" VINYL BASE ON EXISTING MASONRY WALLS. ENTIRE PERIMETER OF CORRIDOR & STAIR, PROVIDE PRE-MOLDED INTERIOR AND EXTERIOR CORNER PIECES. PATCH PLASTER TO CONFORM TO CORNER PROFILE AND FIT TIGHT FOR BASE.
- 12 INSTALL RELOCATED WINDOW REMOVED FROM STORAGE ROOM 5a. REINSTALL WINDOW GUARDS TO PERFORM THIS WORK. CONNECT WINDOW OPERATORS TO NEW WINDOWS.
- 13 PROVIDE NEW CONCRETE PAD FOR NEW MECHANICAL UNIT. COORDINATE SIZE AND LOCATION WITH MECHANICAL CONTRACTOR. REFER TO DETAIL #11 ON SHEET A-802
- 14 INFILL OPENING OF REMOVED EXHAUST GRILLE WITH SIMILAR ADJACENT CONSTRUCTION, PRIME AND PAINT.
- 15 PROVIDE NEW DOOR IN EXISTING FRAME. EXTEND WALL TO UNDERSIDE OF FLOOR SLAB ABOVE. PROVIDE 1 LAYER OF 5/8" TYPE 'X' DRYWALL, PREP AND PAINT AS SCHEDULED.
- 16 PROVIDE NEW LOVERS IN EXISTING OPENINGS. SEE DETAIL 7/A802.
- 17 PROVIDE NEW WINDOW TO MATCH EXISTING SEE DETAIL 7/A802.
- 18 REINSTALL EXISTING STORED WINDOW SHADES TO ORIGINAL EXISTING LOCATIONS.
- 19 PREPARE CONCRETE SLABS WITH CEMENTITIOUS FLASH PATCH AND SELF LEVELING COMPOUND TO RECEIVE SCHEDULED FLOORING AND VINYL BASE.
- 20 RAISE FINISH FLOOR LEVEL. INFILL WITH CONCRETE AND AGGREGATE OR SELF LEVELING MATERIALS AND INSTALL SCHEDULED FLOORING AND VINYL BASE. EXISTING FLOOR IS APPROXIMATELY 4" LOWER THAN PROPOSED FLOOR ELEVATION.
- 21 PROVIDE NEW OPENING IN CONCRETE WALL TO ACCOMMODATE NEW DUCTWORK PENETRATION. COORDINATE SIZE AND LOCATION WITH MECHANICAL CONTRACTOR



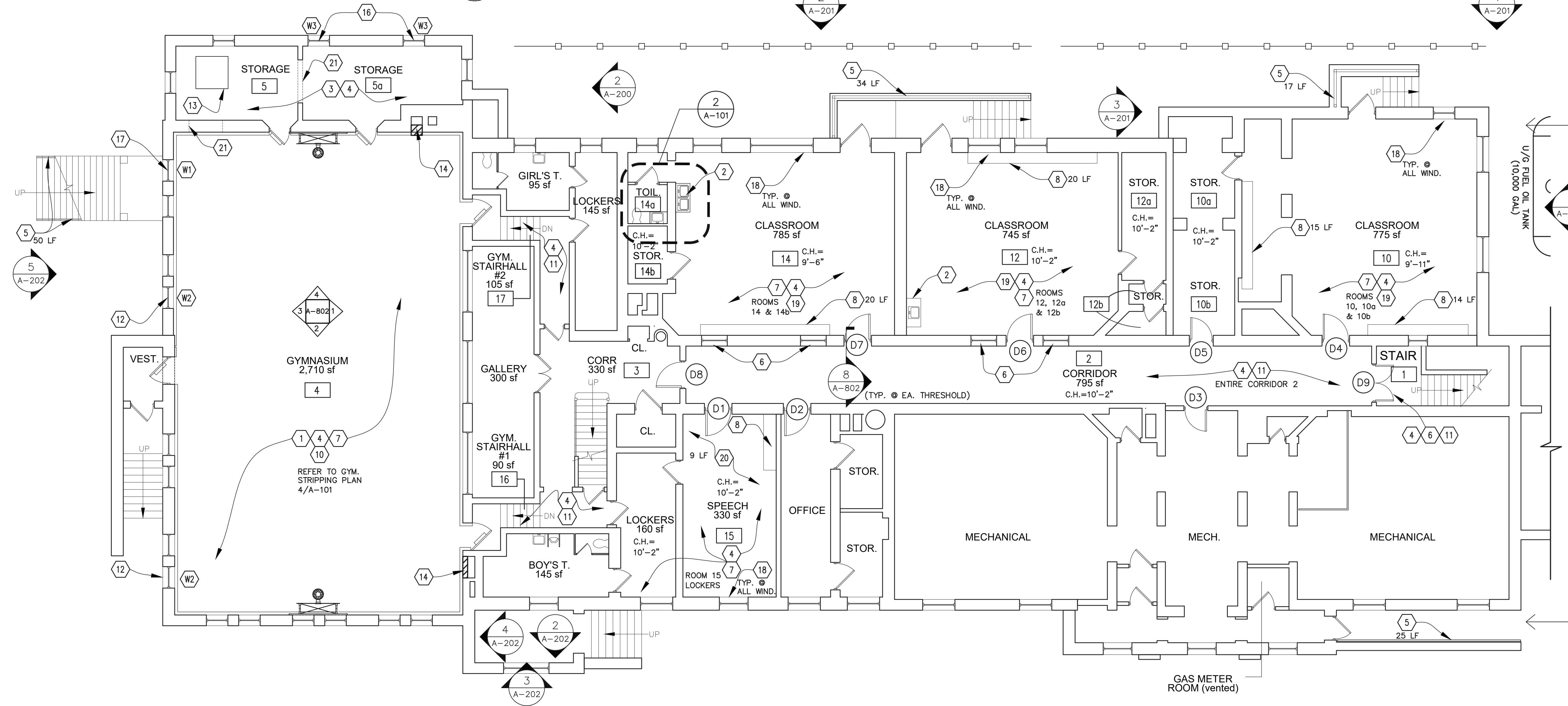
4 GYMNASIUM STRIPPING PLAN
SCALE: 3/16"=1'-0"



3 PARTIAL FIRST FLOOR CONSTRUCTION PLAN
SCALE: 1/8"=1'-0"

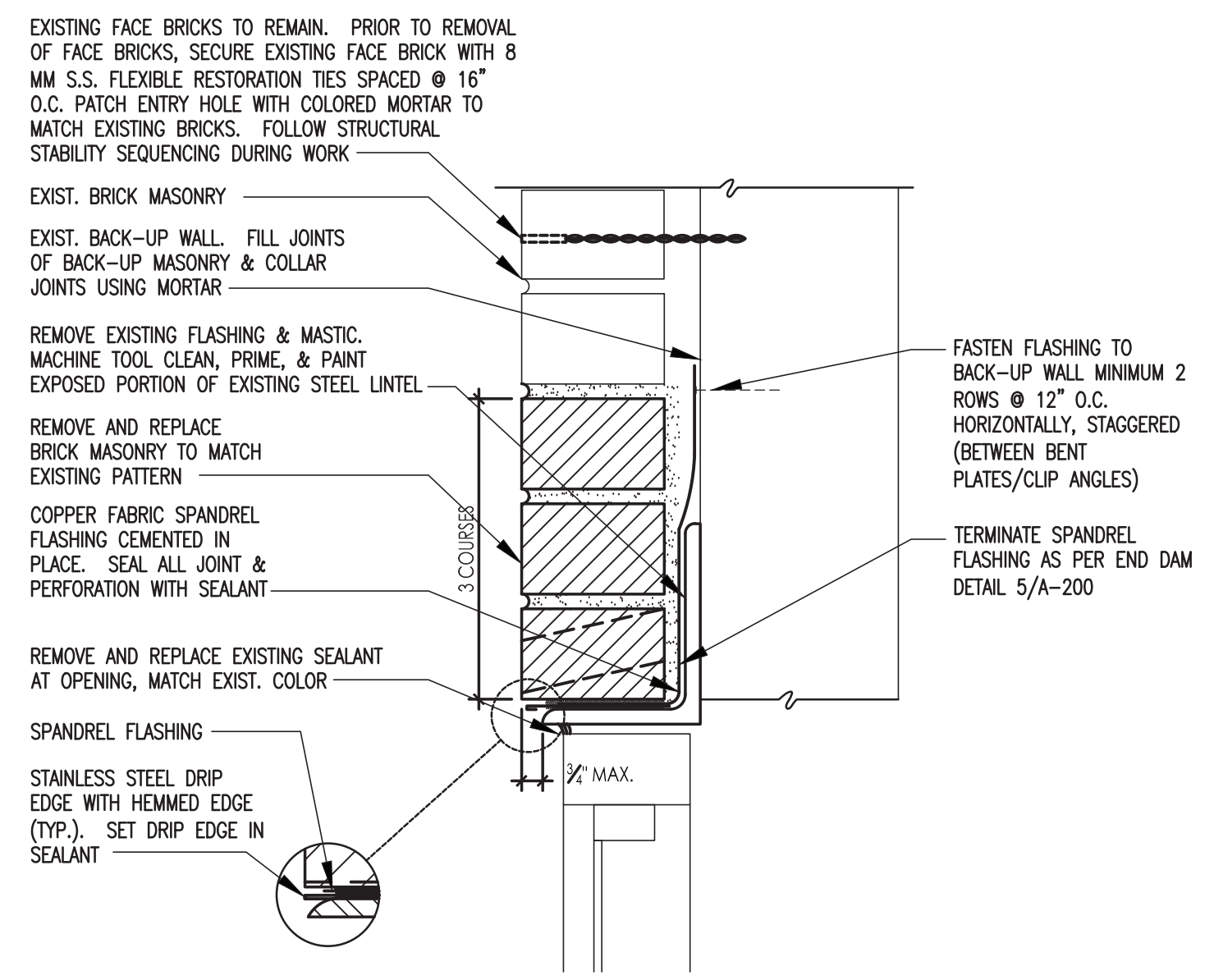


2 TOILET ROOM CONSTRUCTION PLAN
SCALE: 3/8"=1'-0"

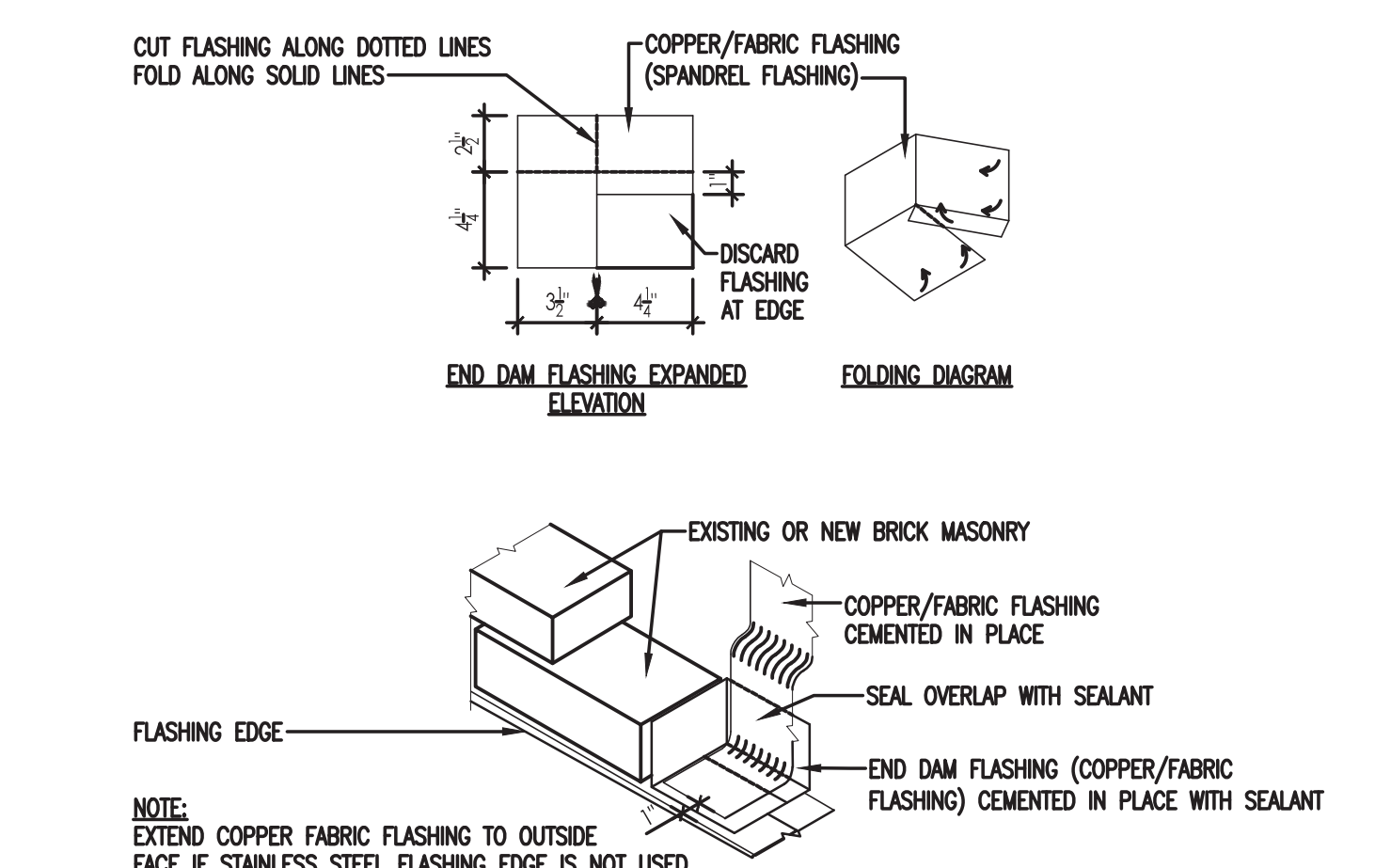


1 PARTIAL BASEMENT FLOOR CONSTRUCTION PLAN
SCALE: 1/8"=1'-0"

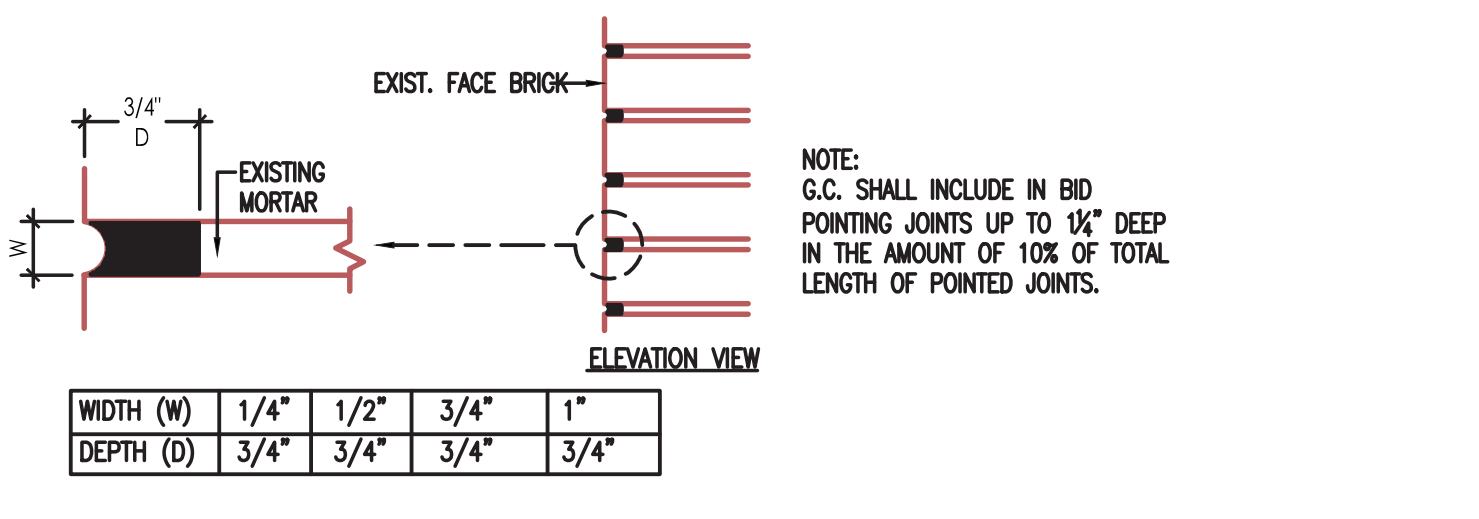
GENERAL NOTES:
FOR EACH SPACE BASE BID SHALL INCLUDE 100% SCRAPE, PREP, PRIME AND PAINT (3) THREE COATS ALL SURFACES INCLUDING, BUT NOT LIMITED TO WALLS, CEILINGS, DOORS AND FRAMES; AND SCR PLASTER PATCHING OF ALL SURFACES.



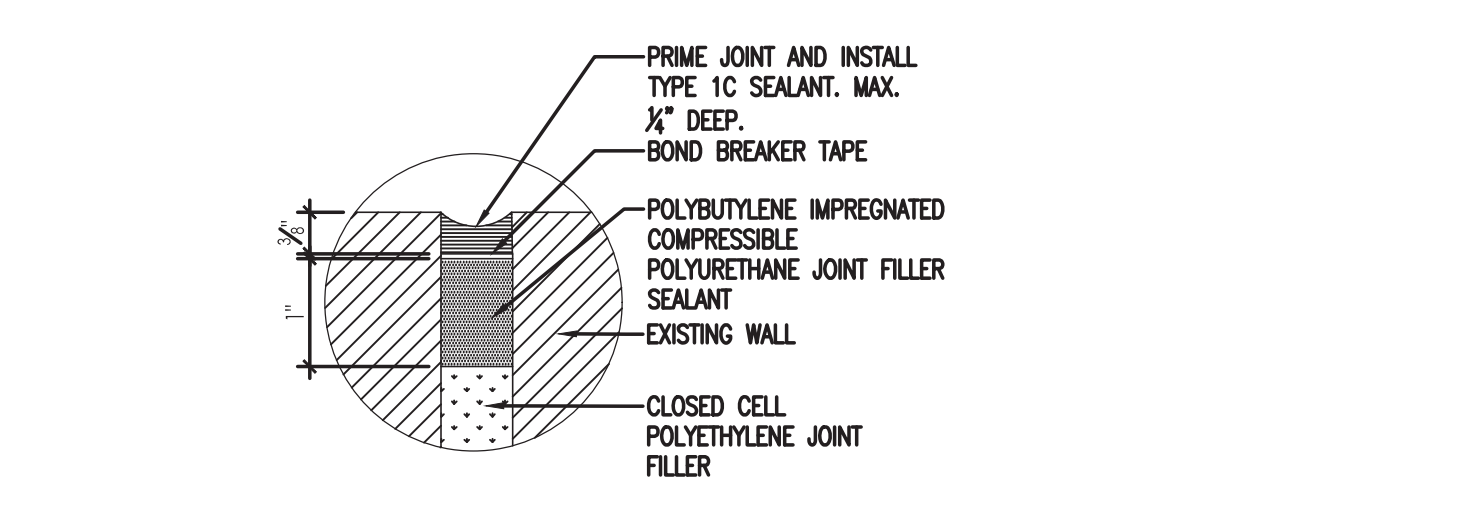
4 LINTEL REPAIR DETAIL
SCALE: 3"=1'-0"



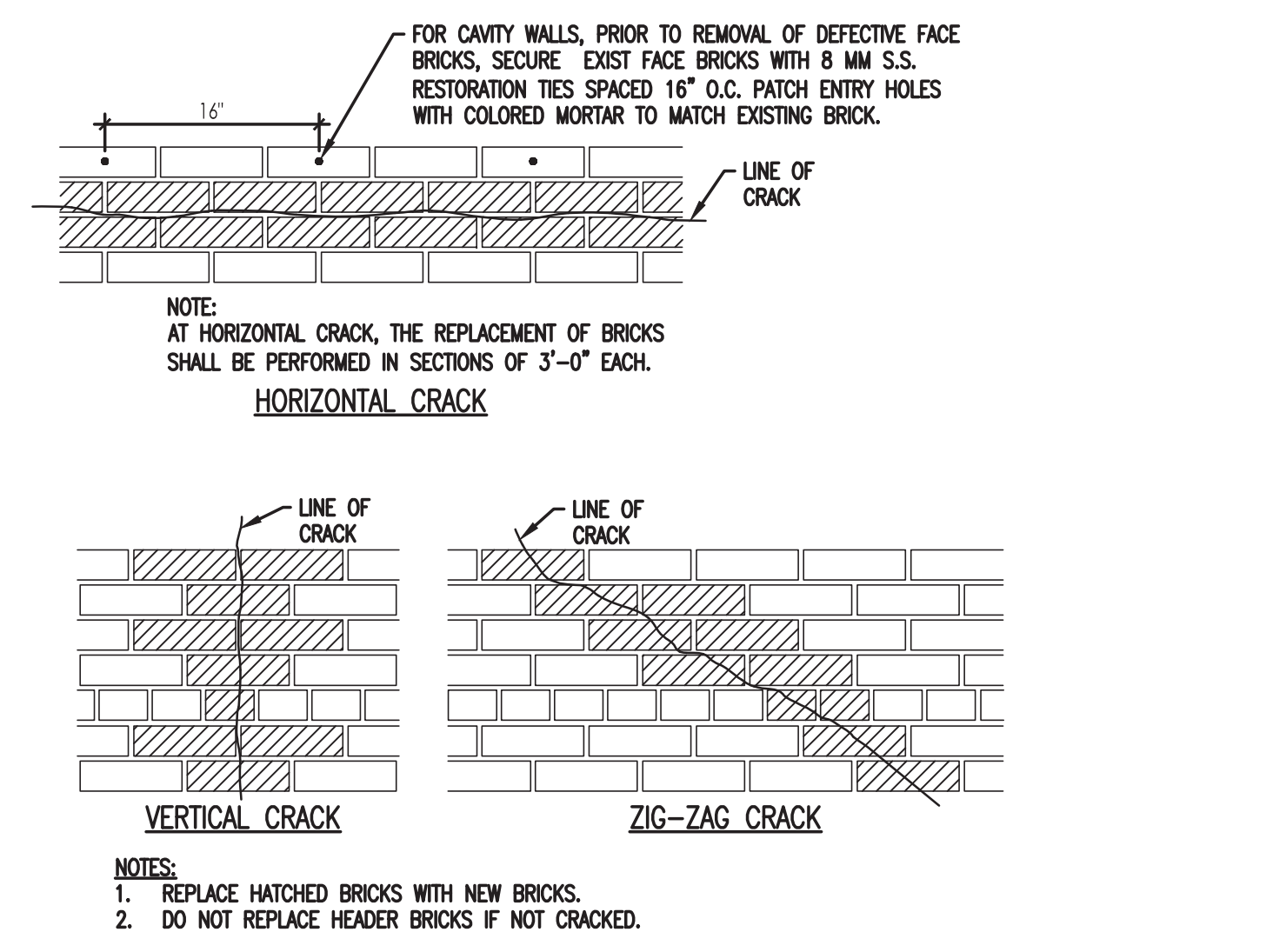
5 SOLID MASONRY END DAM FLASHING DETAIL
SCALE: 1-1/2"=1'-0"



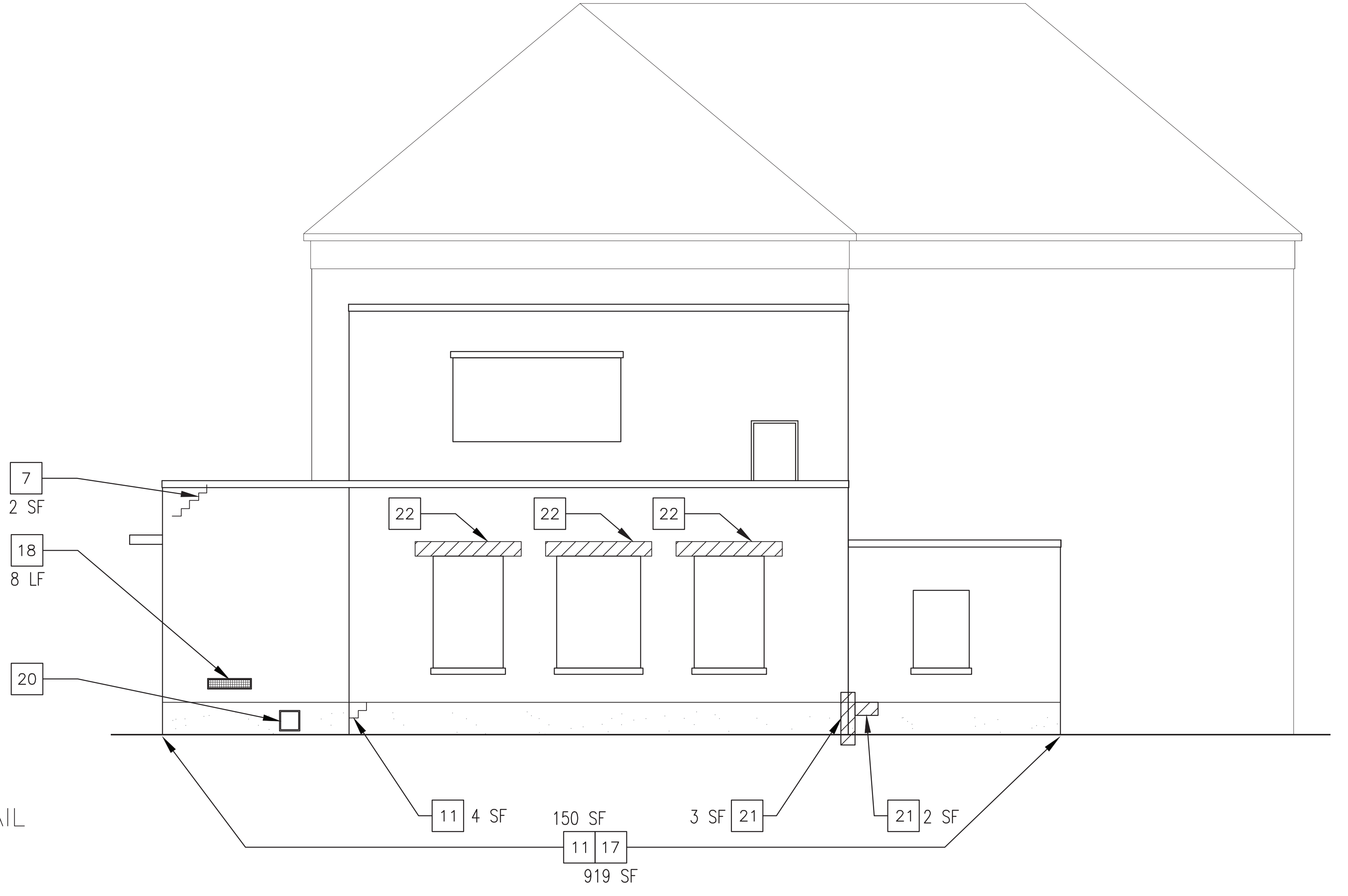
6 REPOINTING MORTAR JOINT DETAIL
NTS



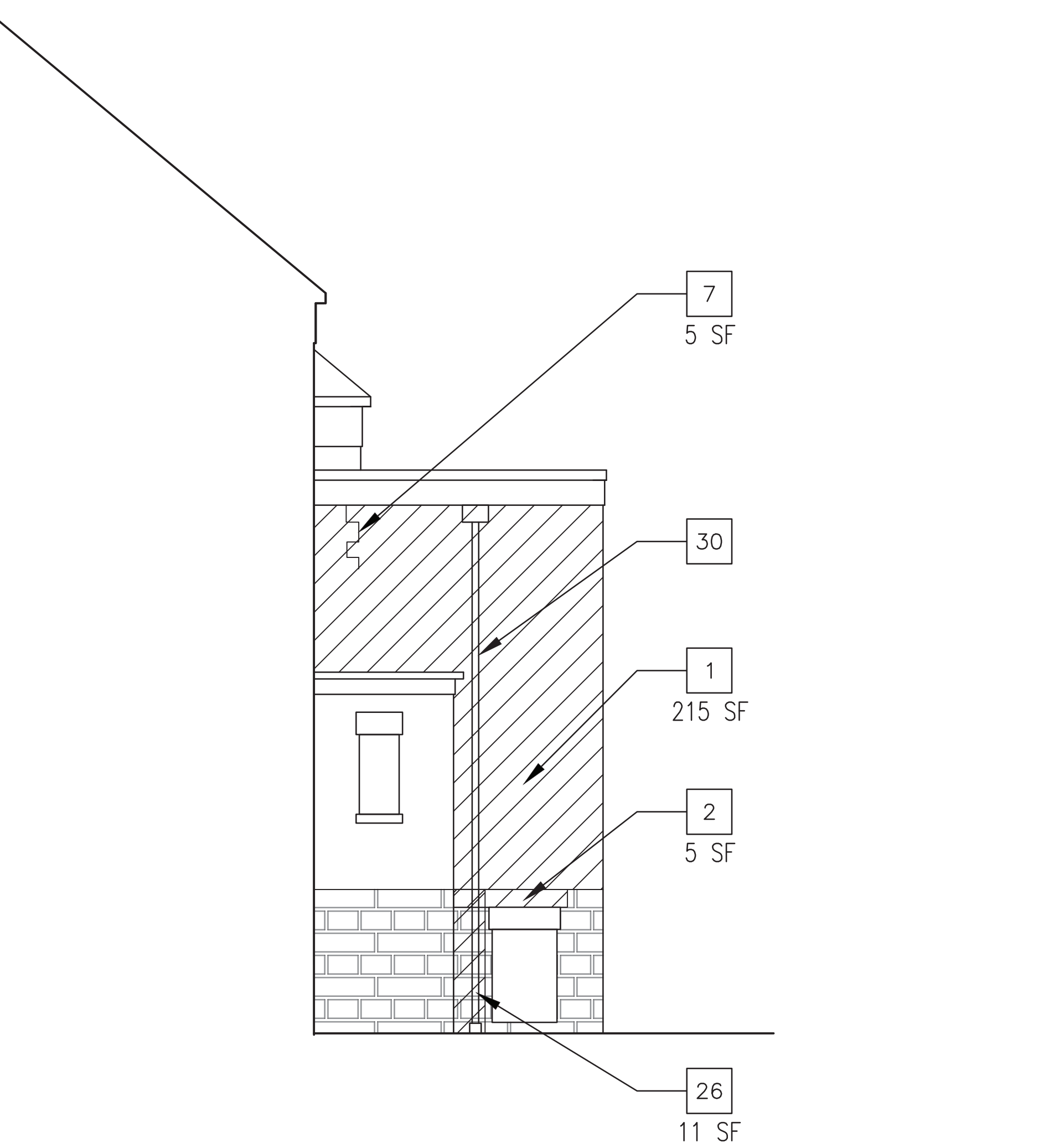
7 EXPANSION JOINT DETAIL
NTS



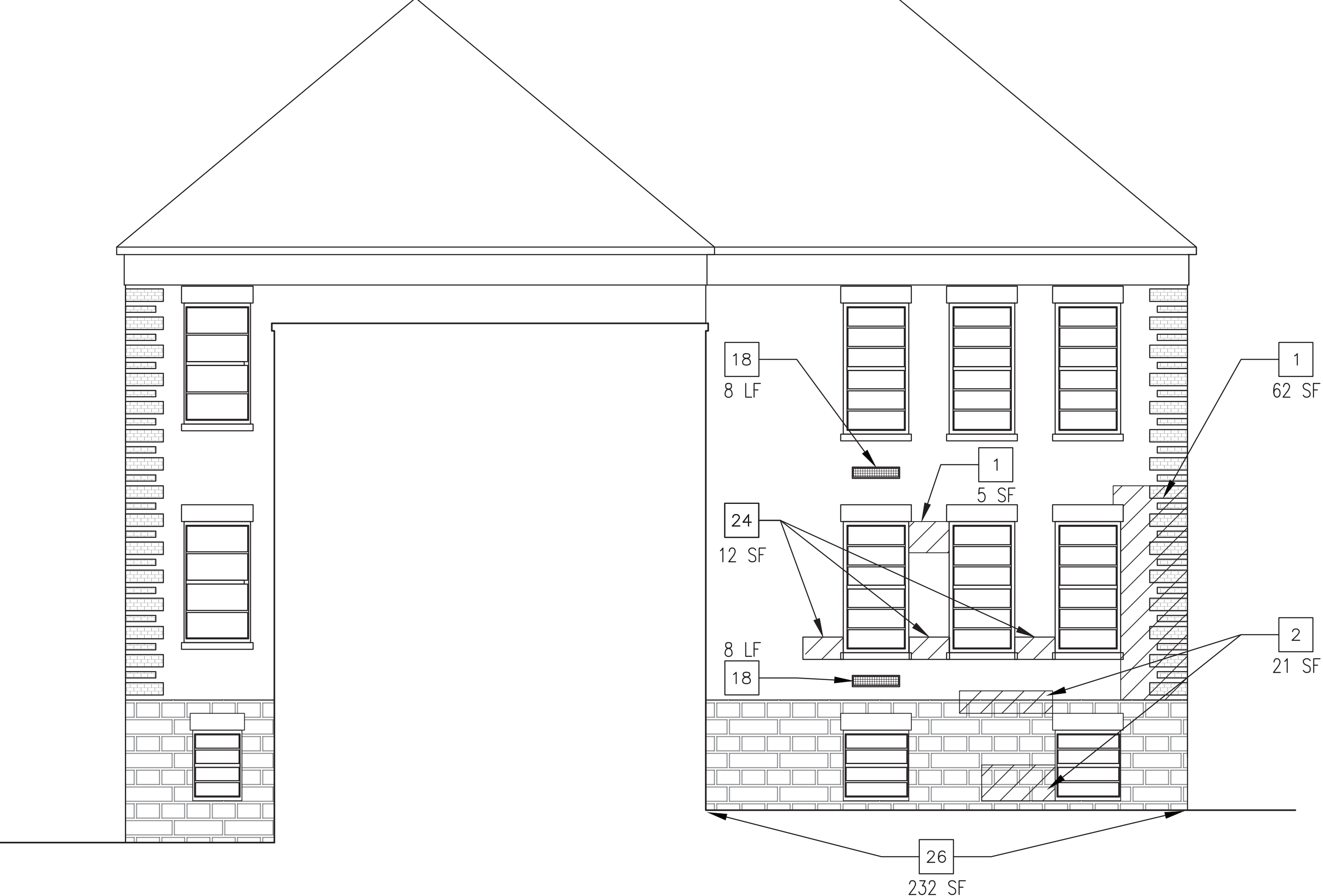
8 BRICK STITCHING PATTERN DETAIL
NTS



3 NORTH ELEVATION
SCALE: 3/16"=1'-0"



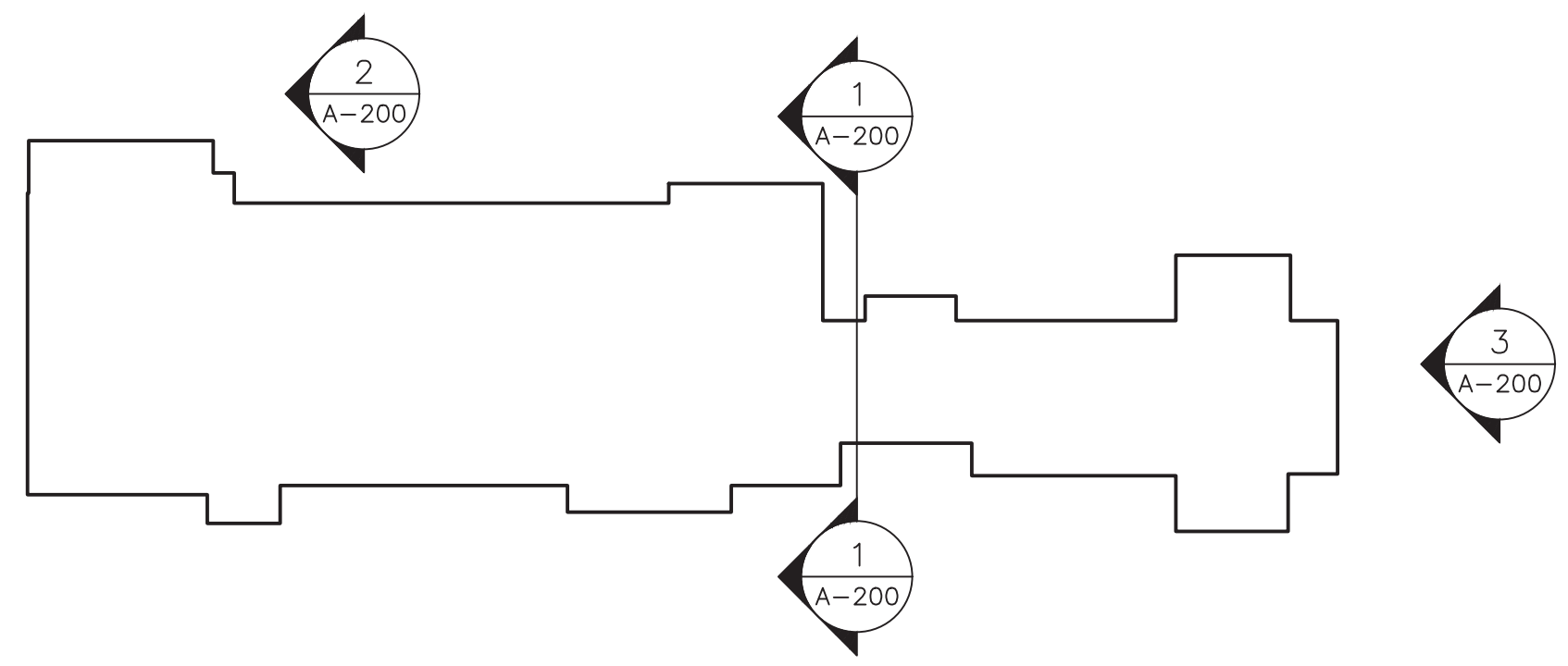
2 PARTIAL NORTH ELEVATION 2
SCALE: 3/16"=1'-0"



1 PARTIAL NORTH ELEVATION
SCALE: 3/16"=1'-0"

- SCOPE NOTES:
- 1 REPOINT BRICK
 - 2 REPOINT STONE
 - 3 REPOINT TERRACOTTA
 - 4 CLEAN TERRACOTTA
 - 5 CLEAN BRICK/STONE
 - 6 REMOVE CMU & REPLACE W/ IRON WORKS
 - 7 REPLACE CRACKED BRICK
 - 8 RESET STONE SILL
 - 9 SCRAPE LOOSE MATERIAL, REPAIR PLASTER, PRIME & PAINT
 - 10 SCRAPE LOOSE MATERIAL, PRIME & PAINT
 - 11 SCRAPE LOOSE MATERIAL FROM CRACK, PARGE
 - 12 SCRAPE & PAINT RAILING
 - 13 CLEAN CERAMIC TILE
 - 14 REPLACE CRACKED TERRACOTTA
 - 15 REALIGN WOOD TRIM
 - 16 REPLACE CONCRETE WASH
 - 17 REMOVE PAINT FROM BRICK
 - 18 RESEAL AROUND VENTILATION GRATE & PAINT GRATE
 - 19 REPLACE CAULKING
 - 20 PROVIDE NEW LOUVER, VERIFY SIZE IN FIELD
 - 21 REPAIR BROKEN FOUNDATION CORNER
 - 22 REMOVE AND REPLACE BRICK ABOVE EXISTING LINTEL. REMOVE EXIST. FLASHING AND MASTIC, MACHINE TOOL CLEAN ANY EXPOSED PORTIONS OF STEEL LINTEL, PRIME AND PAINT, INSTALL NEW FLASHING. REFER TO DETAIL 4/A-200
 - 23 SCRAPE POST, REPLACE BROKEN SPOT WELDS, PRIME & PAINT
 - 24 CLEAN BRICK
 - 25 POINT CRACK IN STONE
 - 26 CLEAN ORGANIC MATERIAL OFF MASONRY
 - 27 REPLACE MISSING IRON WORKS AT RAILING FLAT STOCK
 - 28 RE-WELD LOOSE RAILING & COMPONENTS APPROX. 15 SPOT WELDS REQ'D
 - 29 GROUT BRICK TO SECURE RAILINGS
 - 30 REMOVE, STORE AND PROTECT EXISTING SCUPPER AND LEADER TO PERFORM MASONRY WORK AND REINSTALL WHEN MASONRY WORK IS COMPLETED. PROVIDE TEMPORARY MEANS TO CONVEY WATER AWAY FROM BUILDING.

- LEGEND:
- GROUT HOLES
 - ▨ AREA OF WORK
- NOTE:
1. GENERAL CONTRACTOR TO REFER TO SPECIFICATIONS FOR ALLOWANCES AND UNIT PRICES FOR FACADE REPAIRS.



KEY PLAN
SCALE: NTS

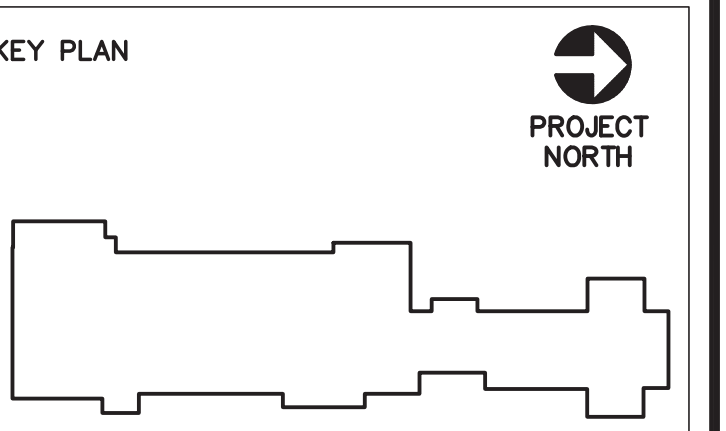
66.23.00.01.0.016.009

YONKERS PROJECT NUMBER
10845

PROJECT NAME
YONKERS
PUBLIC SCHOOLS

PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE



KEY PLAN
SCALE: NTS

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10 MARBLE AVE. PLAINVILLE, NY 12160
PHONE: 914.328.6860 FAX: 914.328.9304 Gcarral@BGA-Eng.com

REV. NO.	DATE	DESCRIPTION
01/23/19	01/23/19	SED FOR BUILDING PERMIT
09/15/19	09/15/19	ISSUED FOR BID
11/16/20	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN	DATE: 1/23/19
DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE

EXTERIOR
ELEVATIONS-
NORTH

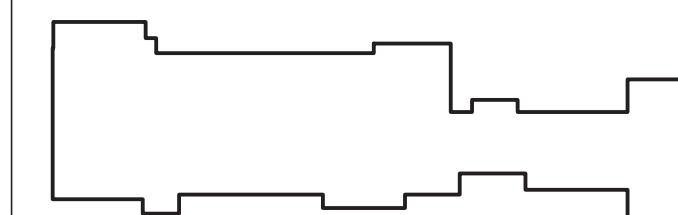
SHEET NO.

A-200



RESTORATION OF BUILDING ENVELOPE, INTERIORS, SECURITY & SITE



PROJECT
NORTH



- 1 REPORT BRICK
- 2 REPORT STONE
- 3 REPORT TERRACOTTA
- 4 CLEAN TERRACOTTA
- 5 CLEAN BRICK/STONE
- 6 REMOVE CMU & REPLACE W/ IRON WORKS
- 7 REPLACE CRACKED BRICK
- 8 RESET STONE SILL
- 9 SORAPE LOOSE MATERIAL, REPAIR PLASTER, PRIME & PAINT
- 10 SORAPE LOOSE MATERIAL, PRIME & PAINT
- 11 SORAPE LOOSE MATERIAL FROM CRACK, PARGE
- 12 SORAPE & PAINT RAILING
- 13 CLEAN CERAMIC TILE
- 14 REPLACE CRACKED TERRACOTTA
- 15 REASON WOOD TRIM
- 16 REPLACE CONCRETE WASH
- 17 REMOVE PAINT FROM BRICK
- 18 RESEAL AROUND VENTILATION GRATE & PAINT GRATE
- 19 REPLACE CAULKING
- 20 PROVIDE NEW LOUVER
- 21 REPAIR BROKEN FOUNDATION CORNER
- 22 REBUILD PORTION OF BRICK WALL
- 23 SORAPE, PREP, PRIME, & PAINT AND REPLACE BROKEN SPOT WELDS ON ENTIRE METAL STAIR ASSEMBLY
- 24 CLEAN BRICK
- 25 POINT CRACK IN STONE
- 26 CLEAN ORGANIC MATERIAL OFF MASONRY
- 27 REPLACE MISSING IRON WORKS AT RAILING FLAT STOK
- 28 RE-WELD LOOSE RAILING & COMPONENTS APPROX. 15 SPOT WELDS REQUIRED
- 29 REMOVE STONE AND PROTECT EXISTING SCUPPER AND LEADER TO PERFORM MASONRY WORK AND REINSTALL WHEN MASONRY WORK IS COMPLETED. PROVIDE TEMPORARY MEANS TO CONVEY WATER AWAY FROM BUILDING.
- 30 REMOVE ENTIRE WINDOW ASSEMBLY AND TURN OVER TO OWNER. REMOVE AND REINSTALL WINDOW GUARDS TO PERFORM THIS WORK. CONNECT WINDOW OPERATORS TO NEW WINDOWS.
- 31 REMOVE EXISTING WINDOW AND REINSTALL IN SOUTH WALL OF GYM IN LOCATIONS SHOWN ON PLAN. INSTALL NEW LOUVERS, COORDINATE WITH EXISTING SCUPPER AND LEADER WATER SYSTEM. SEE ADD'L & GYM IN TO PERFORM THIS WORK. CONNECT WINDOW OPERATORS TO NEW WINDOWS.
- 32 PROVIDE NEW WINDOW PER WINDOW TYPES ON SHEET A802. REMOVE AN REINSTALL WINDOW GUARDS TO PREFER THIS WORK. CONNECT WINDOW OPERATORS TO NEW WINDOWS.
- 33 REMOVE, STORE AND PROTECT EXISTING LEADER FOR RELOCATED INSTALLATION. PAINT EXISTING GUTTER, RESTORE MASONRY BEHIND EXISTING LEADER. SEAL EXISTING UNDERGROUND CONNECTION.
- 34 REINSTALL EXISTING LEADER IN NEW LOCATION AS SHOWN. CONNECT TO EXISTING UNDERGROUND WATER SYSTEM.
- 35 REMOVE AND REPLACE BRICK ABOVE EXISTING LINTEL. REMOVE EXIST. FLASHING AND SMILE, MACHINE TOOL. CLEAN ANY EXPOSED PORTIONS OF STEEL LINTEL, PRIME AND PAINT, INSTALL NEW FLASHING. REFER TO DETAIL 4/A-200

 GROUT HOLES
 AREA OF WORK

1. GENERAL CONTRACTOR TO REFER TO SPECIFICATIONS FOR ALLOWANCES AND UNIT PRICES FOR FACADE REPAIRS.

SCALE: $3/16"=1'-0"$

SCALE: $3/16" = 1' - 0'$

SCALE: NTS

SCALE: 3/16"=1'-0"

A-201

66.23.00.01.0.016.009

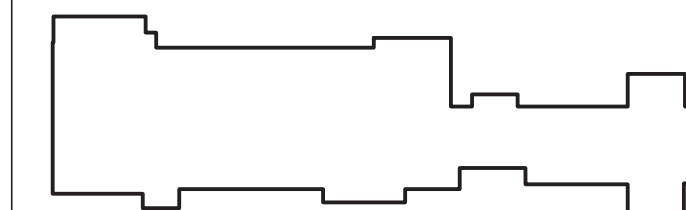
YONKERS PROJECT NUMBER

10845

PROJECT NAME

YONKERS
PUBLIC SCHOOLSPS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701RESTORATION OF
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PHONE: 914.328.6960 FAX: 914.328.9304 Gcnaa@BGGA-Eng.com

REV. NO.	DATE	DESCRIPTION
	01/23/19	SED FOR BUILDING PERMIT
	09/15/19	ISSUED FOR BID
	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN	DATE: 1/23/19
DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE

EXTERIOR
ELEVATIONS-
SOUTH

SHEET NO.

A-202

SCOPE NOTES:

- 1 REPOINT BRICK
- 2 REPOINT STONE
- 3 REPOINT TERRACOTTA
- 4 CLEAN TERRACOTTA
- 5 CLEAN BRICK/STONE
- 6 REMOVE CMU & REPLACE W/ IRON WORKS
- 7 REPLACE CRACKED BRICK
- 8 RESET STONE SILL
- 9 SCRABE LOOSE MATERIAL, REPAIR PLASTER, PRIME & PAINT
- 10 SCRABE LOOSE MATERIAL, PRIME & PAINT
- 11 SCRABE LOOSE MATERIAL FROM CRACK, PARGE
- 12 SCRABE & PAINT RAILING
- 13 CLEAN CERAMIC TILE
- 14 REPLACE CRACKED TERRACOTTA
- 15 REALIGN WOOD TRIM
- 16 REPLACE CONCRETE WASH
- 17 REMOVE PAINT FROM BRICK
- 18 RESEAL AROUND VENTILATION GRATE & PAINT GRATE
- 19 REPLACE CAULKING
- 20 PROVIDE NEW LOUVER
- 21 REPAIR BROKEN FOUNDATION CORNER
- 22 REBUILD PORTION OF BRICK WALL
- 23 SCRABE POST, REPLACE BROKEN SPOT WELDS. PREP, PRIME & PAINT ENTIRE METAL STAIR ASSEMBLY.
- 24 CLEAN BRICK
- 25 POINT CRACK IN STONE
- 26 CLEAN ORGANIC MATERIAL OFF MASONRY
- 27 REPLACE MISSING IRON WORKS AT RAILING FLAT STOCK
- 28 RE-WELD LOOSE RAILING & COMPONENTS APPROX. 15 SPOT WELDS REQ'D
- 29 GROUT BRICK TO SECURE RAILINGS
- 30 REMOVE, STORE AND PROTECT EXISTING SCUPPER AND LEADER TO PERFORM MASONRY WORK AND REINSTALL WHEN MASONRY WORK IS COMPLETED. PROVIDE TEMPORARY MEANS TO CONVEY WATER AWAY FROM BUILDING.
- 31 REMOVE ENTIRE WINDOW ASSEMBLY AND TURN OVER TO OWNER. REMOVE AND REINSTALL WINDOW GUARDS TO PERFORM THIS WORK. CONNECT WINDOW OPERATORS TO NEW WINDOWS.
- 32 REMOVE EXISTING WINDOW AND REINSTALL IN SOUTH WALL OF GYM IN LOCATIONS SHOWN ON PLAN. COORDINATE WITH HVAC WORK SCOPE. REMOVE AND REINSTALL WINDOW GUARDS TO PREFER THIS WORK. CONNECT WINDOW OPERATORS TO NEW WINDOWS.
- 33 PROVIDE NEW WINDOW PER WINDOW TYPES ON SHEET A802. REMOVE AND REINSTALL WINDOW GUARDS TO PREFER THIS WORK. CONNECT WINDOW OPERATORS TO NEW WINDOWS.

LEGEND:

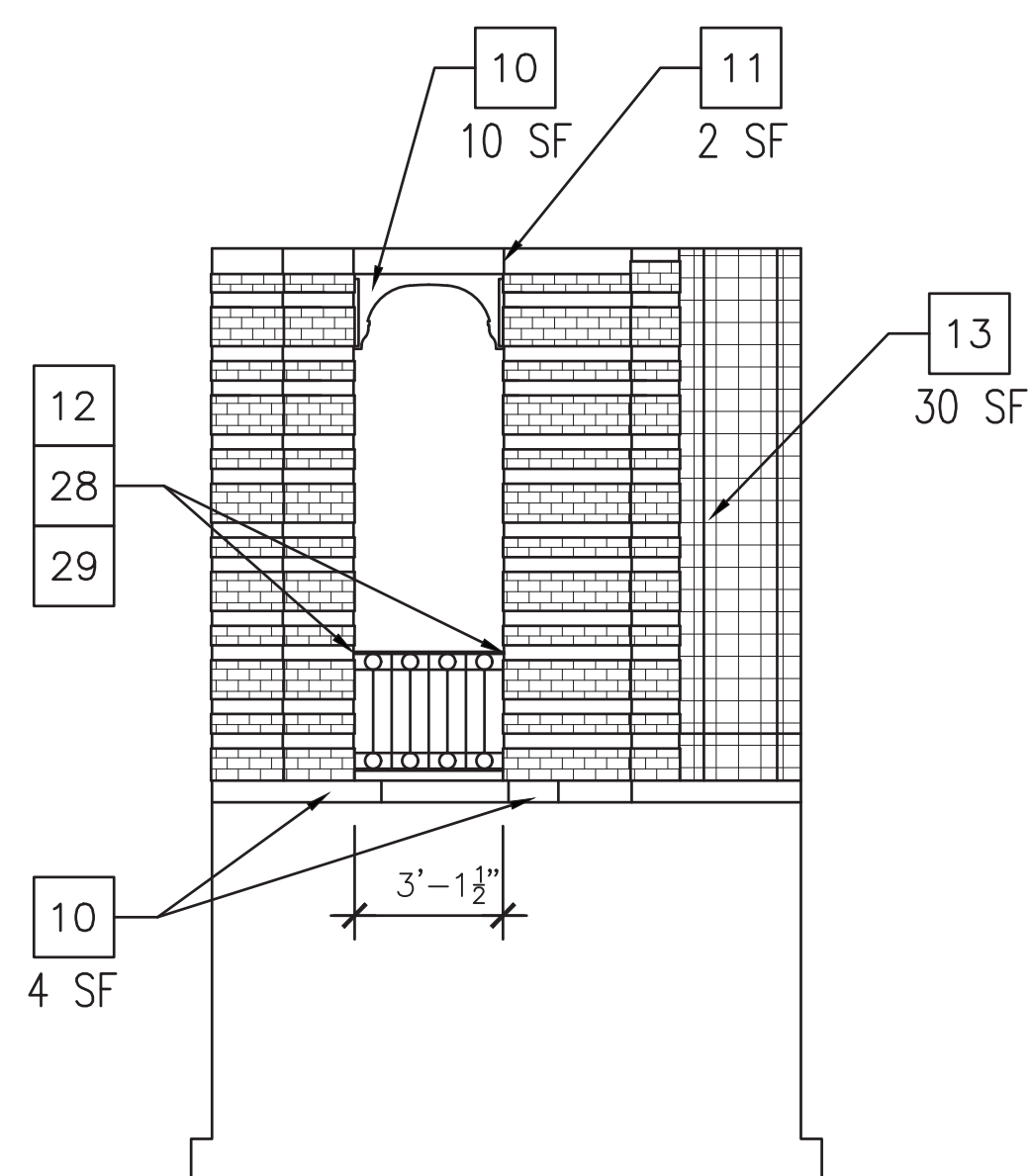


NOTE:

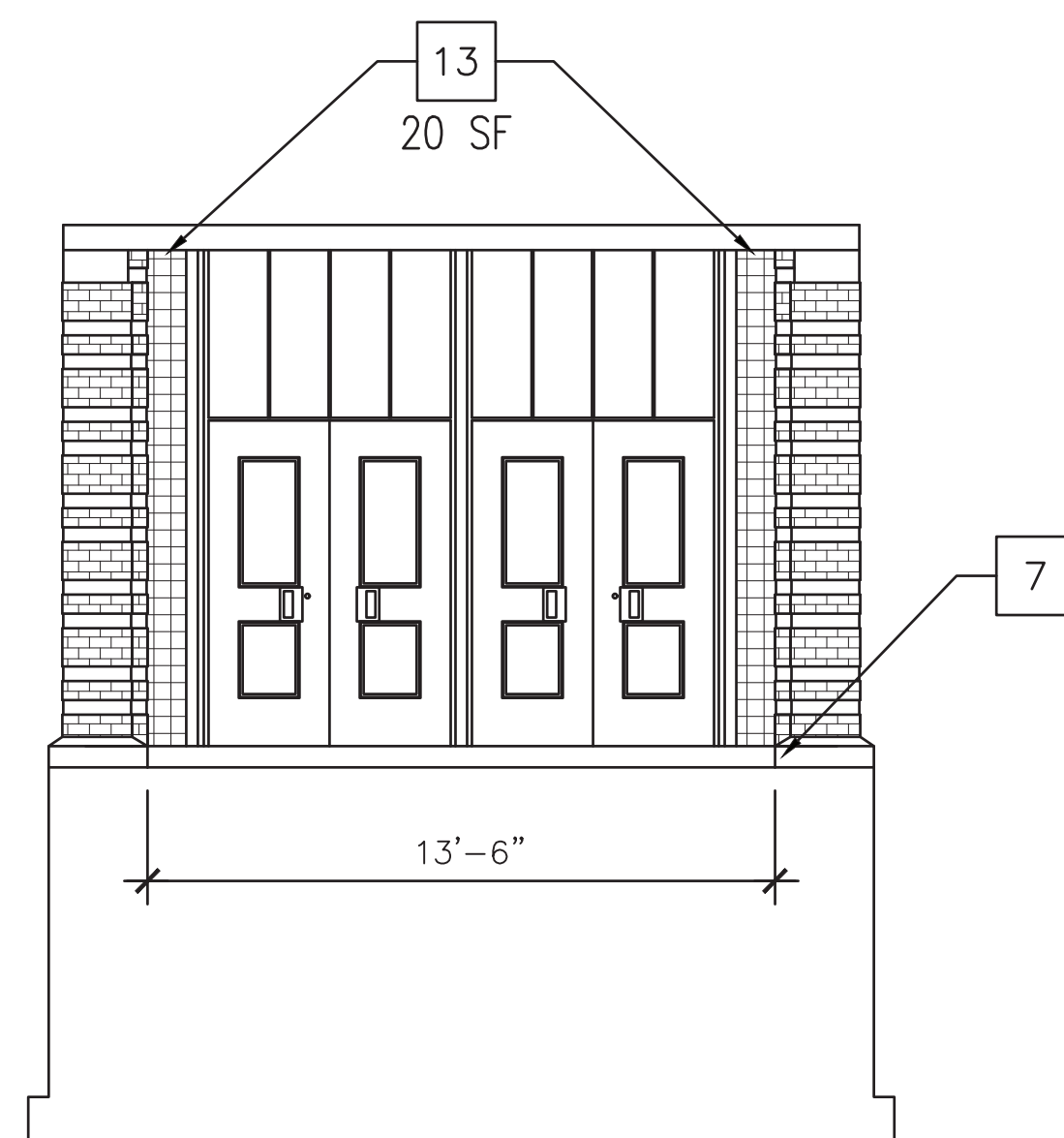
1. GENERAL CONTRACTOR TO REFER TO SPECIFICATIONS FOR ALLOWANCES AND UNIT PRICES FOR FACADE REPAIRS.



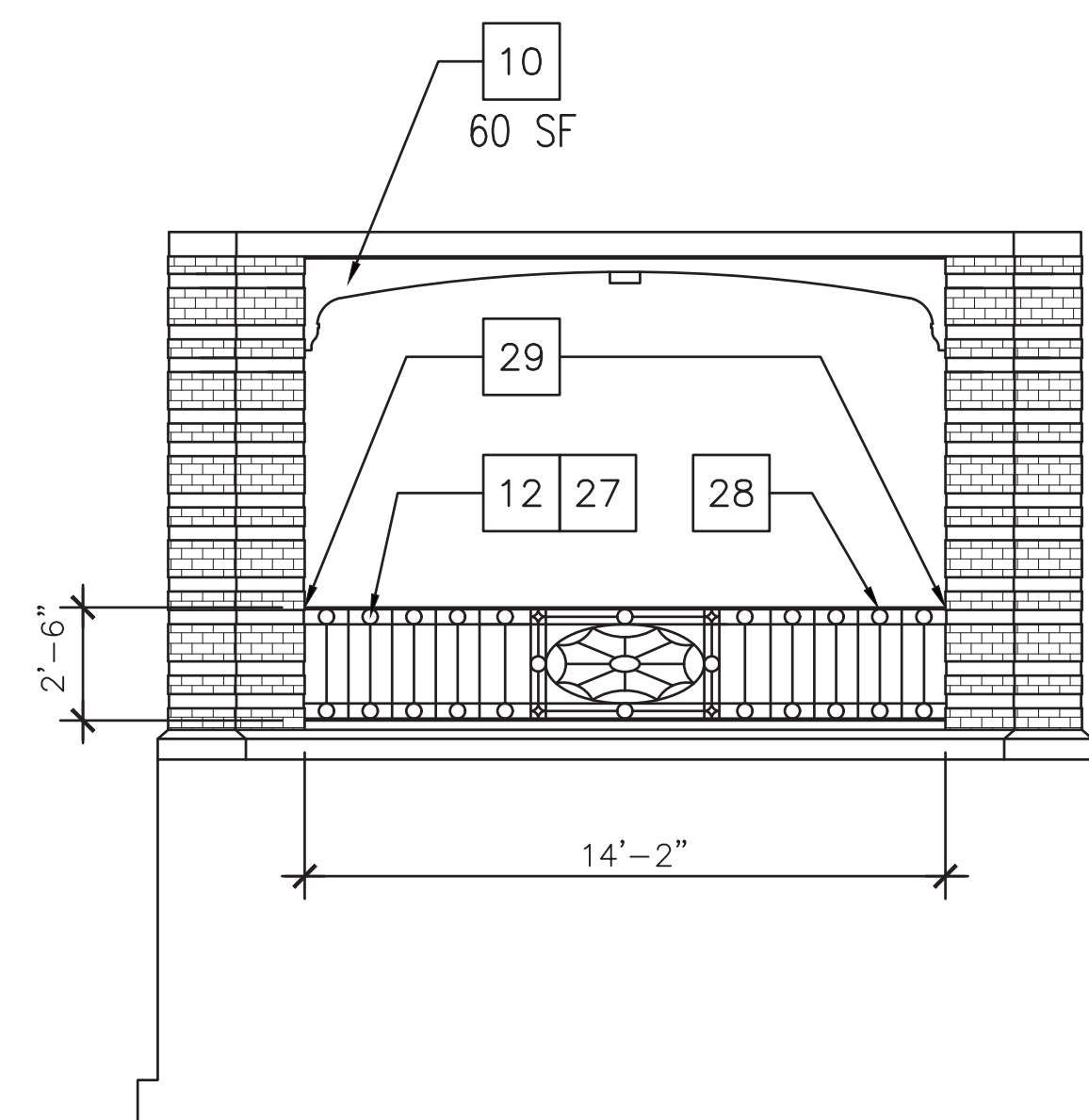
5 SOUTH ELEVATION
SCALE: 3/16"=1'-0"



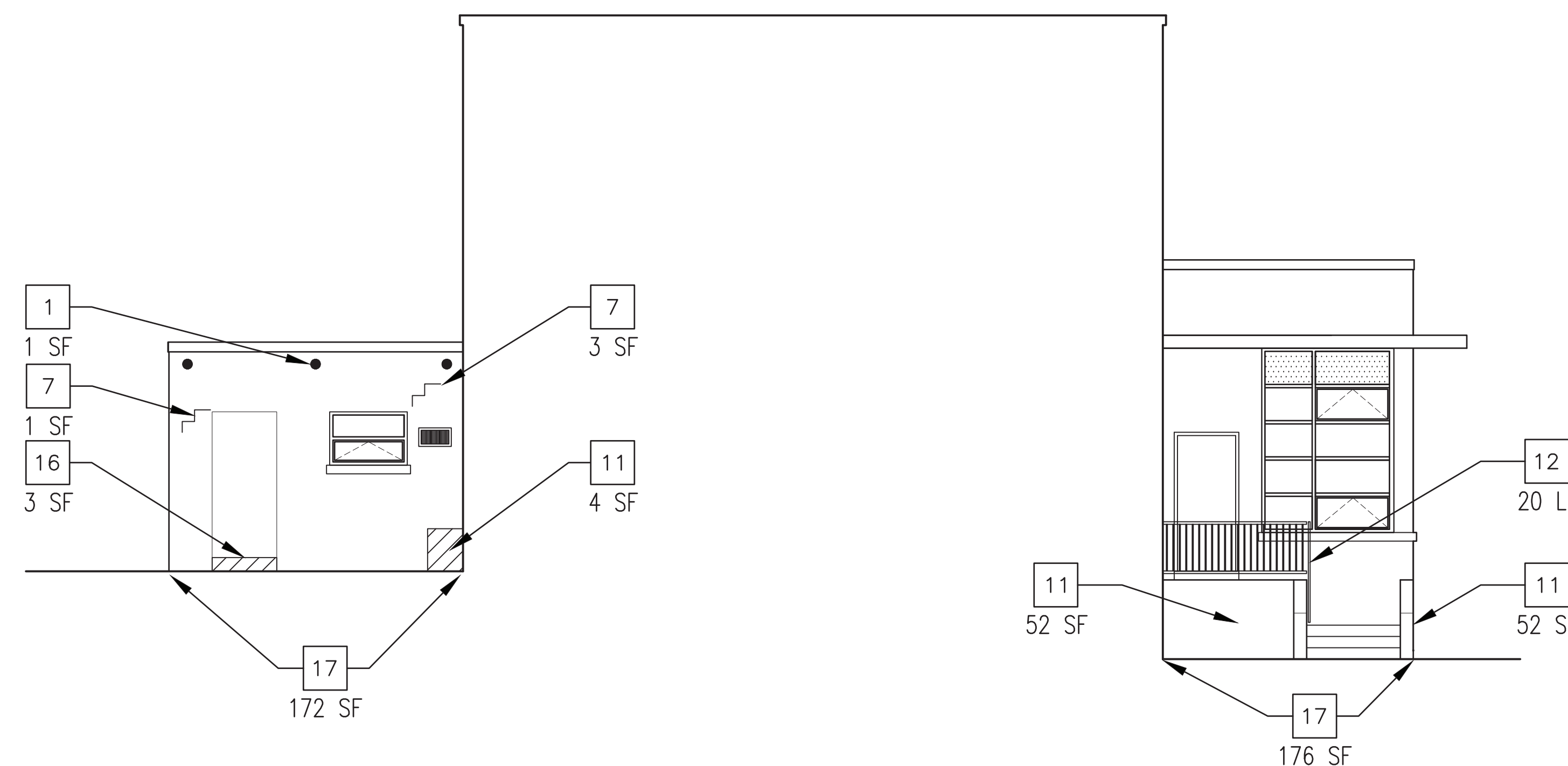
4 ENTRANCE — SOUTH FACE
SCALE: 1/4"=1'-0"



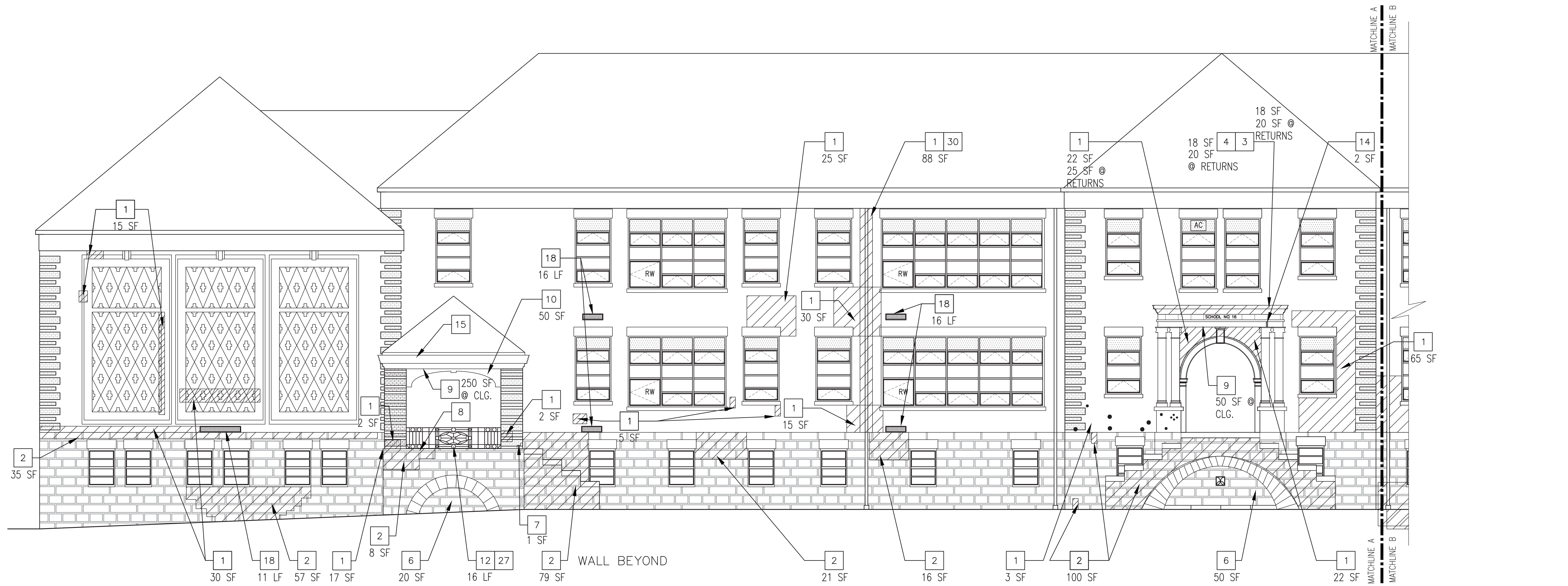
3 ENTRANCE — EAST FACE
SCALE: 1/4"=1'-0"



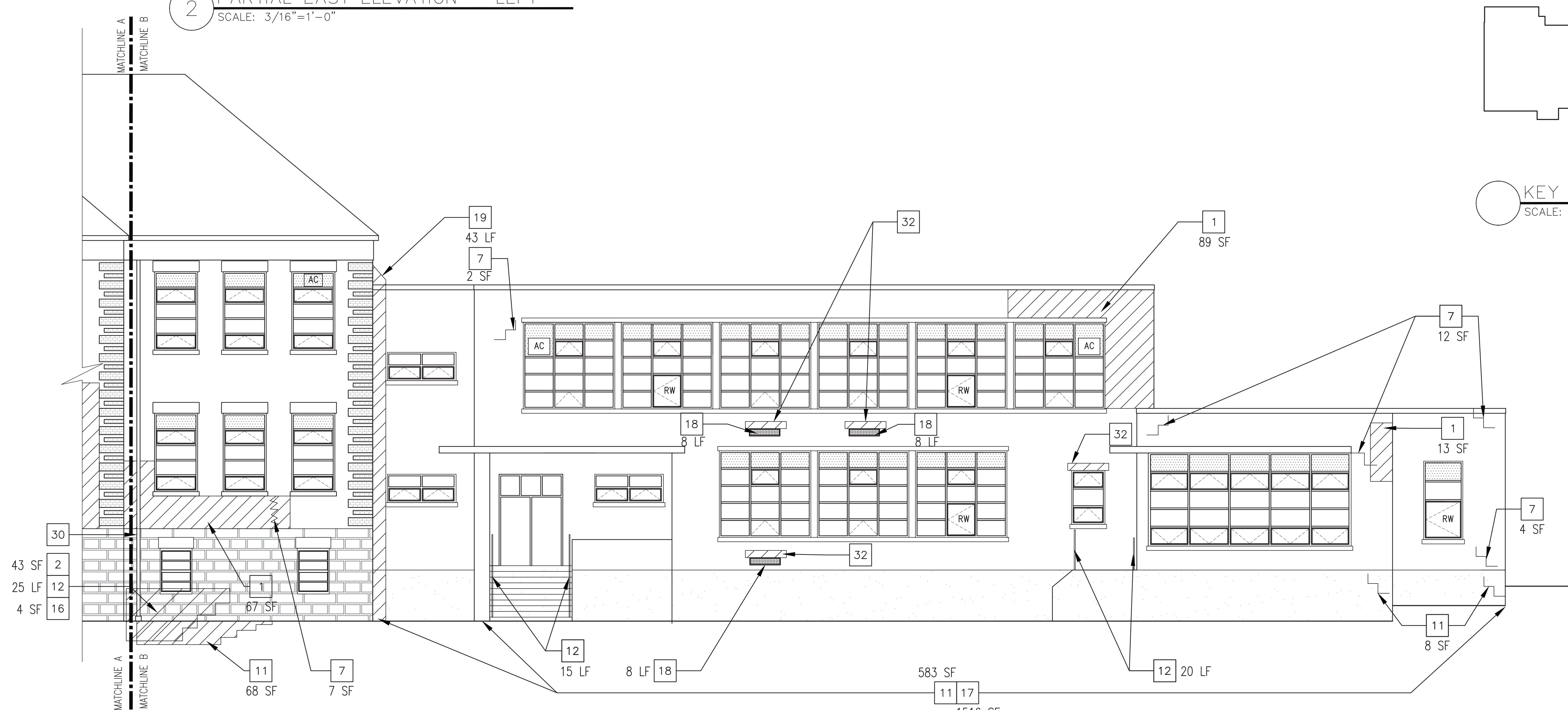
2 ENTRANCE — WEST FACE
SCALE: 1/4"=1'-0"



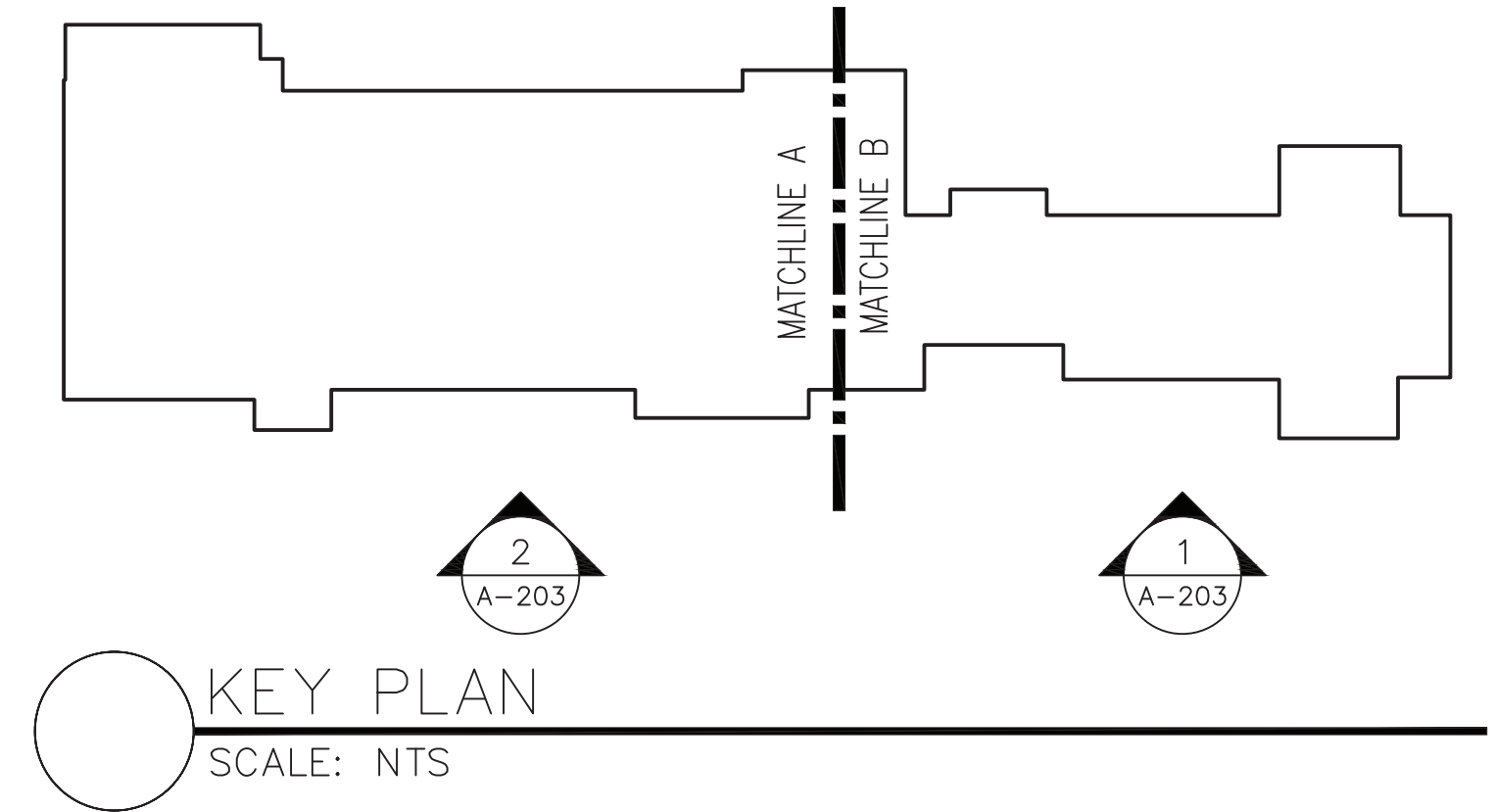
1 PARTIAL SOUTH ELEVATION
SCALE: 3/16"=1'-0"



2 PARTIAL EAST ELEVATION – LEFT
SCALE: 3/16"=1'-0"



1 PARTIAL EAST ELEVATION – RIGHT
SCALE: 3/16"=1'-0"



- SCOPE NOTES:
- 1 REPOINT BRICK
 - 2 REPOINT STONE
 - 3 REPOINT TERRACOTTA
 - 4 CLEAN TERRACOTTA
 - 5 CLEAN BRICK/STONE
 - 6 REMOVE CMU & REPLACE W/ IRON WORKS
 - 7 REPLACE CRACKED BRICK
 - 8 RESET STONE CAP
 - 9 SCRAPE LOOSE MATERIAL, REPAIR PLASTER, PRIME & PAINT ALL SIDES
 - 10 SCRAPE LOOSE MATERIAL, PRIME & PAINT
 - 11 SCRAPE LOOSE MATERIAL FROM CRACK, PARGE
 - 12 SCRAPE, PRIME & PAINT RAILING
 - 13 CLEAN CERAMIC TILE
 - 14 REPLACE CRACKED TERRACOTTA
 - 15 REALIGN WOOD TRIM
 - 16 REPLACE CONCRETE WASH
 - 17 REMOVE PAINT FROM BRICK
 - 18 RESEAL AROUND VENTILATION GRATE & PAINT GRATE
 - 19 REPLACE CAULKING
 - 20 PROVIDE NEW LOUVER
 - 21 REPAIR BROKEN FOUNDATION CORNER
 - 22 REBUILD PORTION OF BRICK WALL
 - 23 SCRAPE POST, REPLACE BROKEN SPOT WELDS, PRIME & PAINT
 - 24 CLEAN BRICK
 - 25 POINT CRACK IN STONE
 - 26 CLEAN ORGANIC MATERIAL OFF MASONRY
 - 27 REPLACE MISSING IRON WORKS AT RAILING FLAT STOCK
 - 28 RE-WELD LOOSE RAILING & COMPONENTS APPROX. 15 SPOT WELDS REQ'D
 - 29 GROUT BRICK TO SECURE RAILINGS
 - 30 REMOVE, STORE AND PROTECT EXISTING SCUPPER AND LEADER TO PERFORM MASONRY WORK AND REINSTALL WHEN MASONRY WORK IS COMPLETED. PROVIDE TEMPORARY MEANS TO CONVEY WATER AWAY FROM BUILDING.
 - 31 EXISTING LOUVERS TO BE REMOVED, PROTECTED AND REINSTALLED PER EXTERIOR ELEVATIONS. PROVIDE NEW WINDOW ASSEMBLY. COORDINATE WITH HVAC WORK SCOPE.
 - 32 REMOVE AND REPLACE BRICK ABOVE EXISTING LINTEL. REMOVE EXIST. FLASHING AND MASTIC. MACHINE TOOL CLEAN ANY EXPOSED PORTIONS OF STEEL LINTEL. PRIME AND PAINT, INSTALL NEW FLASHING. REFER TO DETAIL 4/A-200
- LEGEND:
- GROUT HOLES
 - ▨ AREA OF WORK
- NOTE:
1. GENERAL CONTRACTOR TO REFER TO SPECIFICATIONS FOR ALLOWANCES AND UNIT PRICES FOR FACADE REPAIRS.

66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

PROJECT NAME

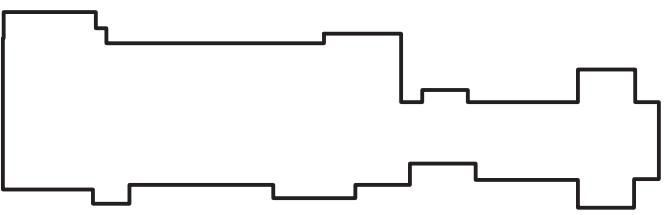
YONKERS
PUBLIC SCHOOLS

PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
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PHONE: 518-328-0000 FAX: 518-328-0004 Gma@BGAEng.com

REV. NO.	DATE	DESCRIPTION
01	01/23/19	SED FOR BUILDING PERMIT
02	09/15/19	ISSUED FOR BID
03	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN DATE: 1/23/19
DRAWN BY: K.C. CHECKED BY: C.G.

DRAWING TITLE

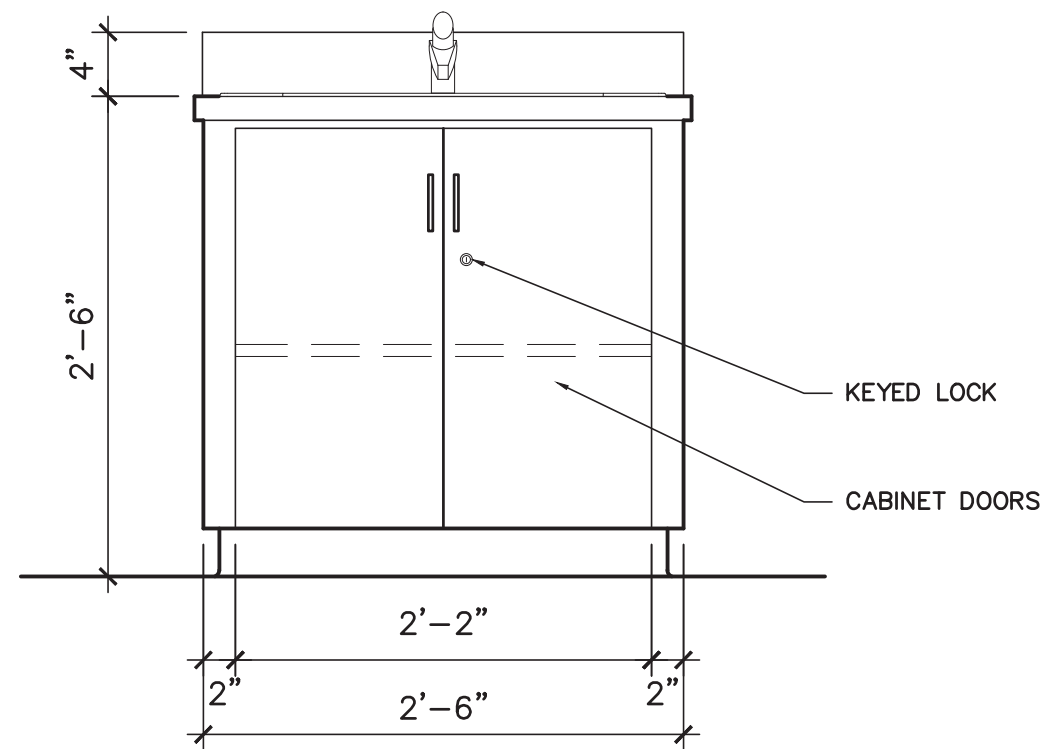
EXTERIOR
ELEVATIONS-
EAST

SHEET NO.

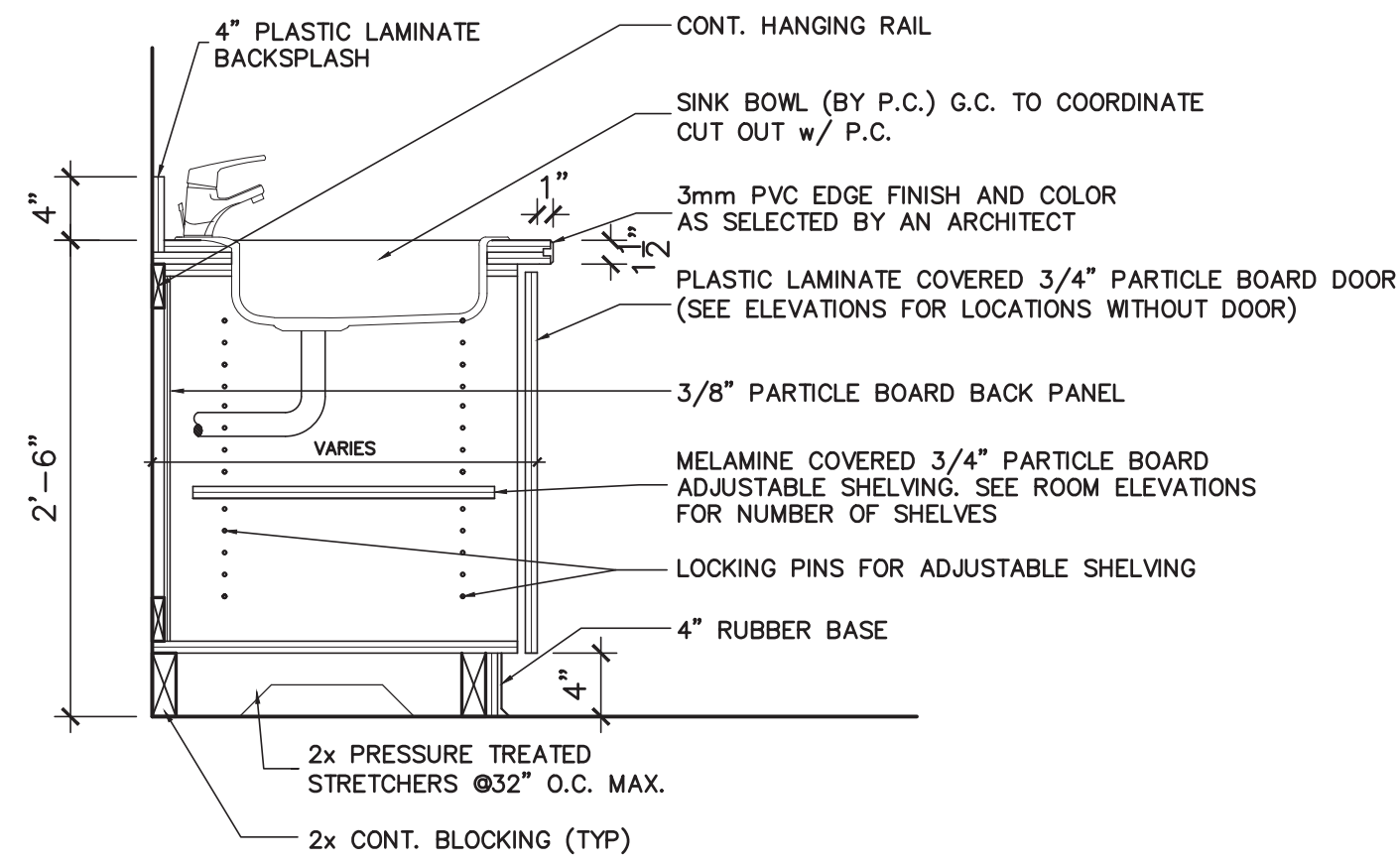
A-203

DOOR SCHEDULE									
DOOR No.	LOCATION		DOOR			UNDER CUT 3/4"	FIRE LABEL MIN.	REMARKS	HARD-WARE SET
	ROOM FROM	ROOM TO	TYPE	MAT'L	WIDTH (V.I.F.)	HEIGHT (V.I.F.)			
D1	CORRIDOR	S.E. CLASSROOM 15	B	WOOD	3'-4"	8'-0"		45 MIN. NOTE 1 & 2	1
D2	CORRIDOR	OFFICE	B	WOOD	3'-4"	8'-0"		45 MIN. NOTE 1 & 2	1
D3	CORRIDOR	MECHANICAL	A	STEEL	3'-4"	8'-0"		45 MIN. NOTE 2	2
D4	CORRIDOR	CLASSROOM 10	B	WOOD	3'-8"	8'-0"		45 MIN. NOTE 1 & 2	1
D5	CORRIDOR	STORAGE	A	WOOD	3'-4"	8'-0"		45 MIN. NOTE 2	1
D6	CORRIDOR	CLASSROOM 12	B	WOOD	3'-4"	8'-0"		45 MIN. NOTE 1 & 2	1
D7	CORRIDOR	CLASSROOM 14	B	WOOD	3'-4"	8'-0"		45 MIN. NOTE 1 & 2	1
D8	CORRIDOR	CORRIDOR	B	WOOD	3'-6"	8'-0"		45 MIN. NOTE 1 & 2	2
D9	CORRIDOR	STAIR #1	C	WOOD	(2) 2'-6"	8'-0"		45 MIN. NOTE 1 & 2	2
D10	CLOSET (A1)	IT CLOSET (A2)	A	WOOD	3'-4"	8'-0"		45 MIN. NOTE 2	3

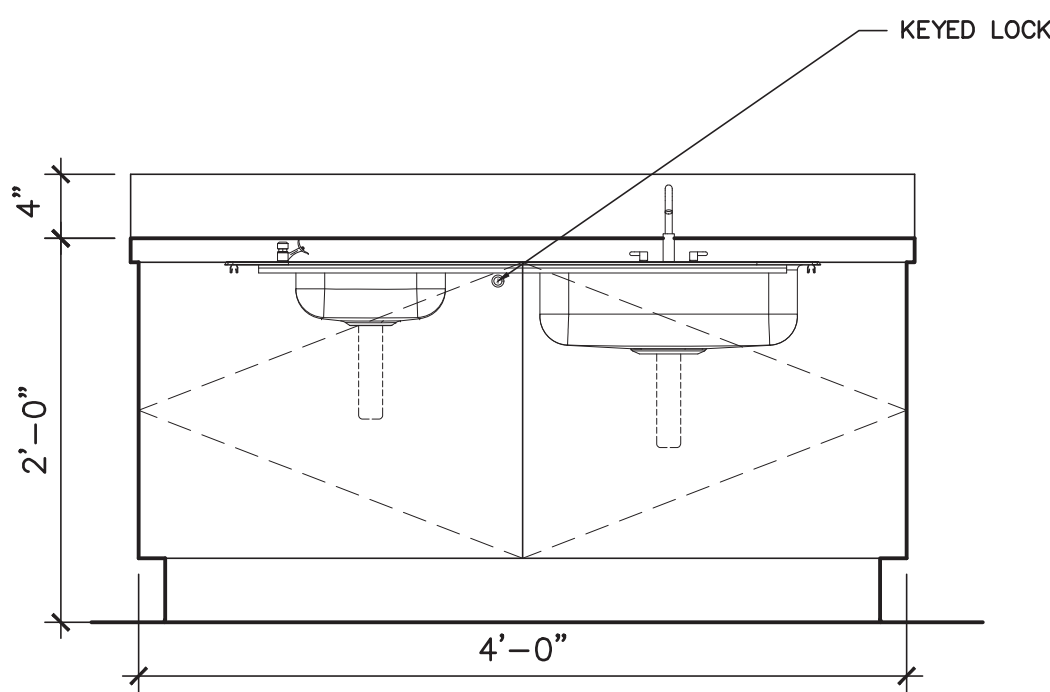
NOTE 1: PAINT EXISTING DOOR FRAME INCLUDING TRANSOM WINDOW ABOVE.
NOTE 2: GENERAL CONTRACTOR TO FIELD VERIFY ALL DOOR DIMENSIONS.
NOTE 3: GENERAL CONTRACTOR TO VERIFY EXISTING DOOR HAND DIRECTION AND SWING AND MAKE MODIFICATIONS TO FRAME ACCORDINGLY TO ACCOMMODATE NEW DOOR AND SWING AS SHOWN ON PLANS.



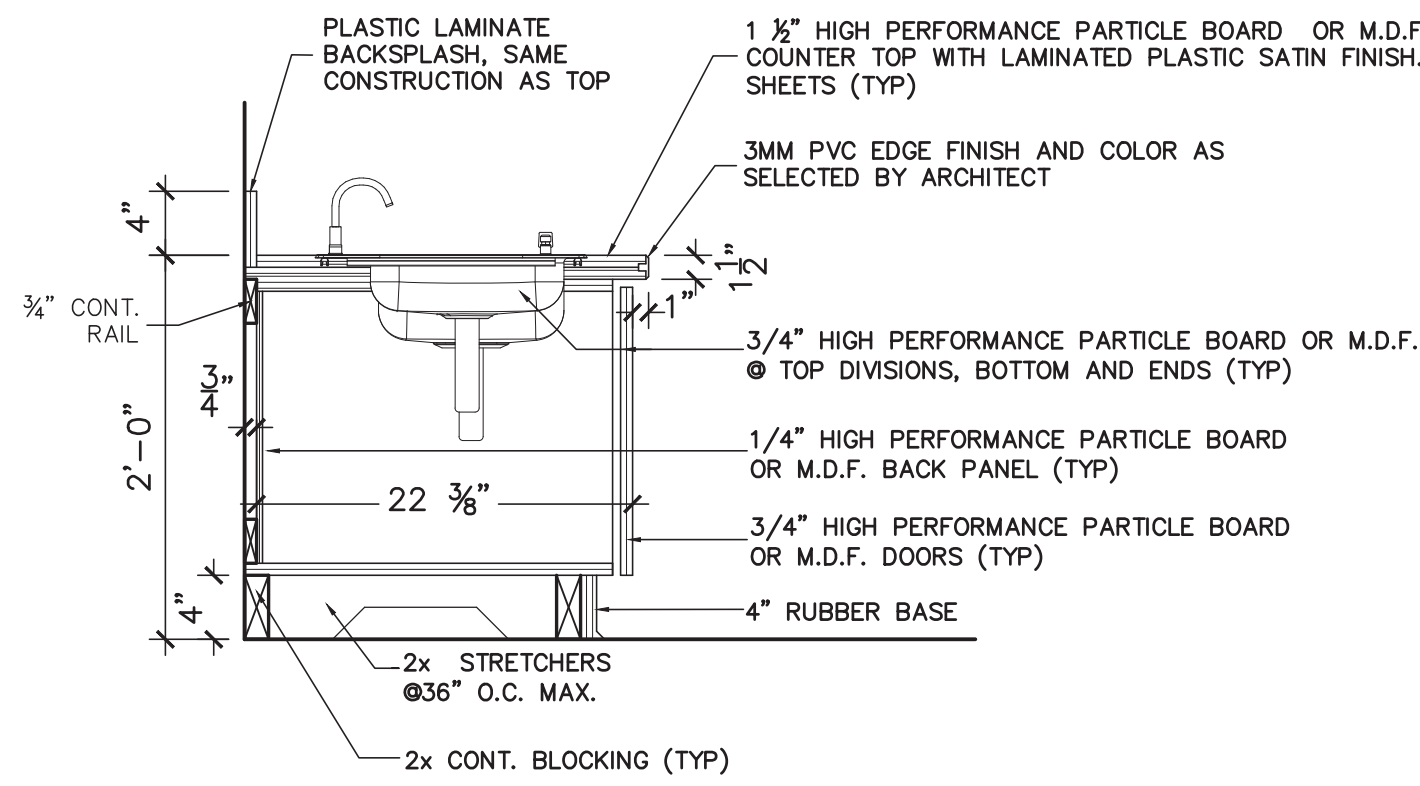
SINK CABINET ELEVATION



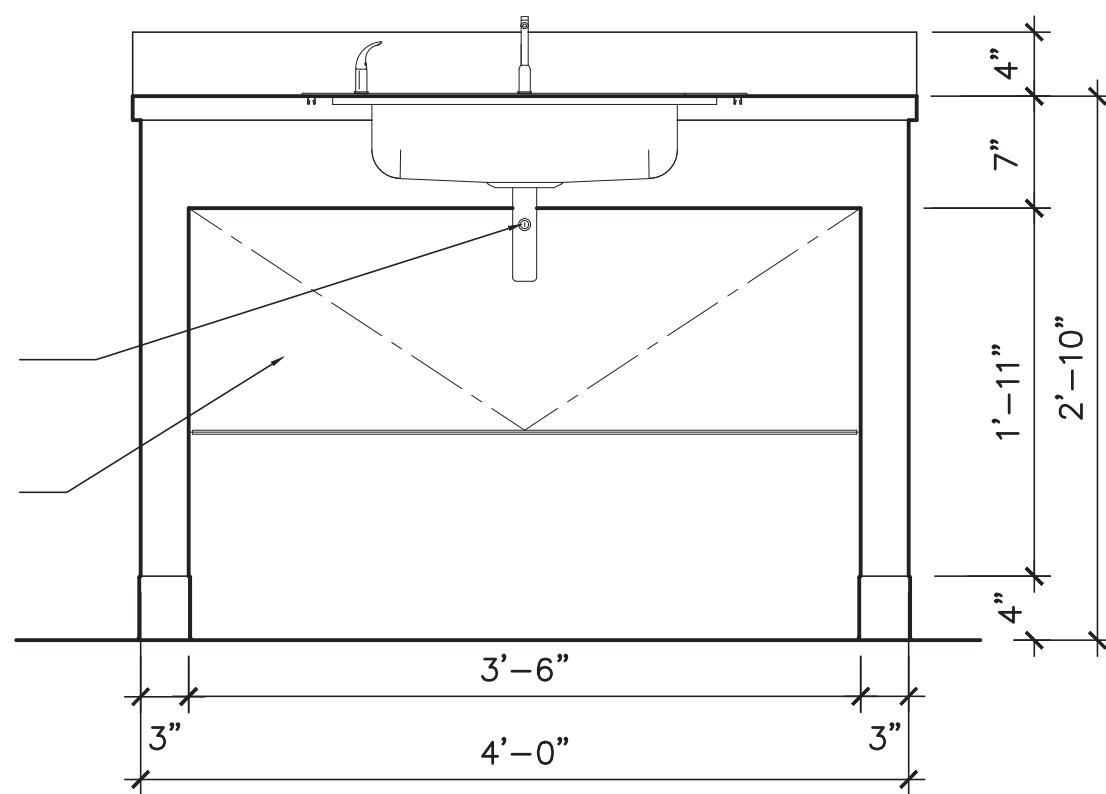
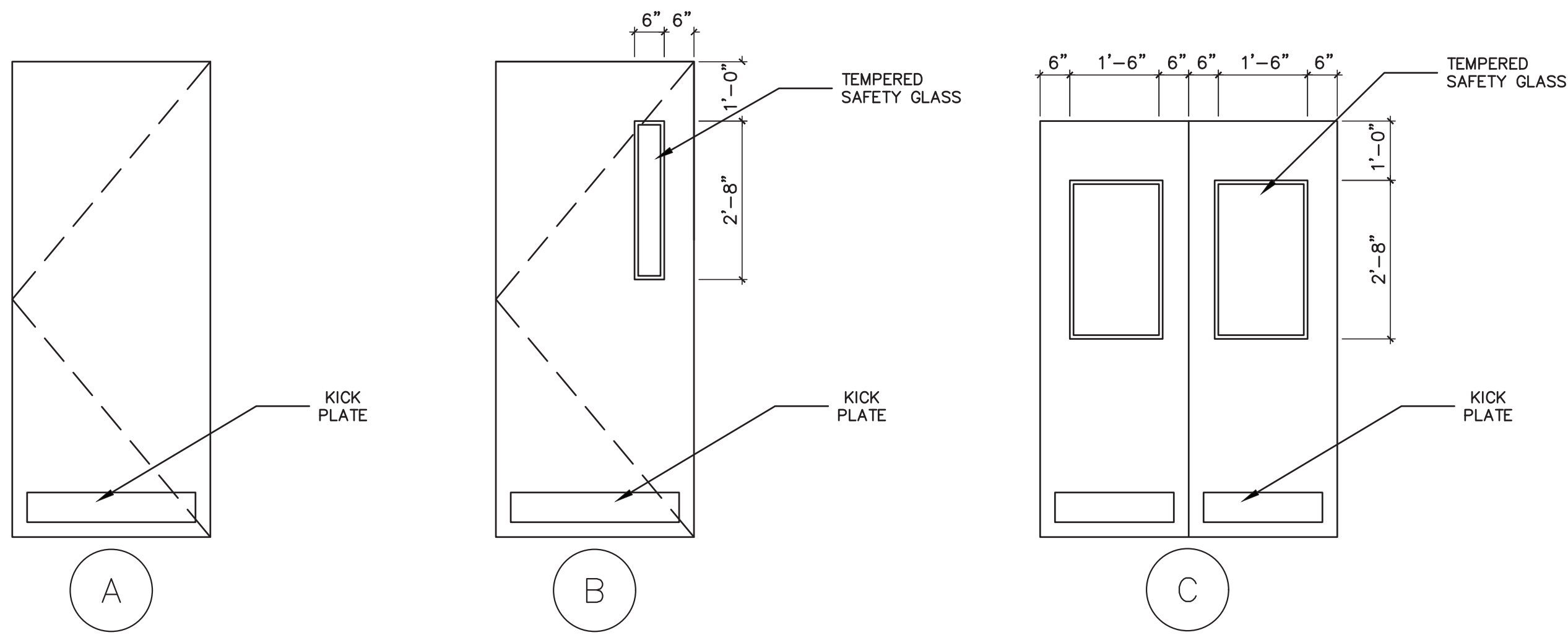
3 SINK CABINET – TOILET ROOM
SCALE: 1"=1'-0"



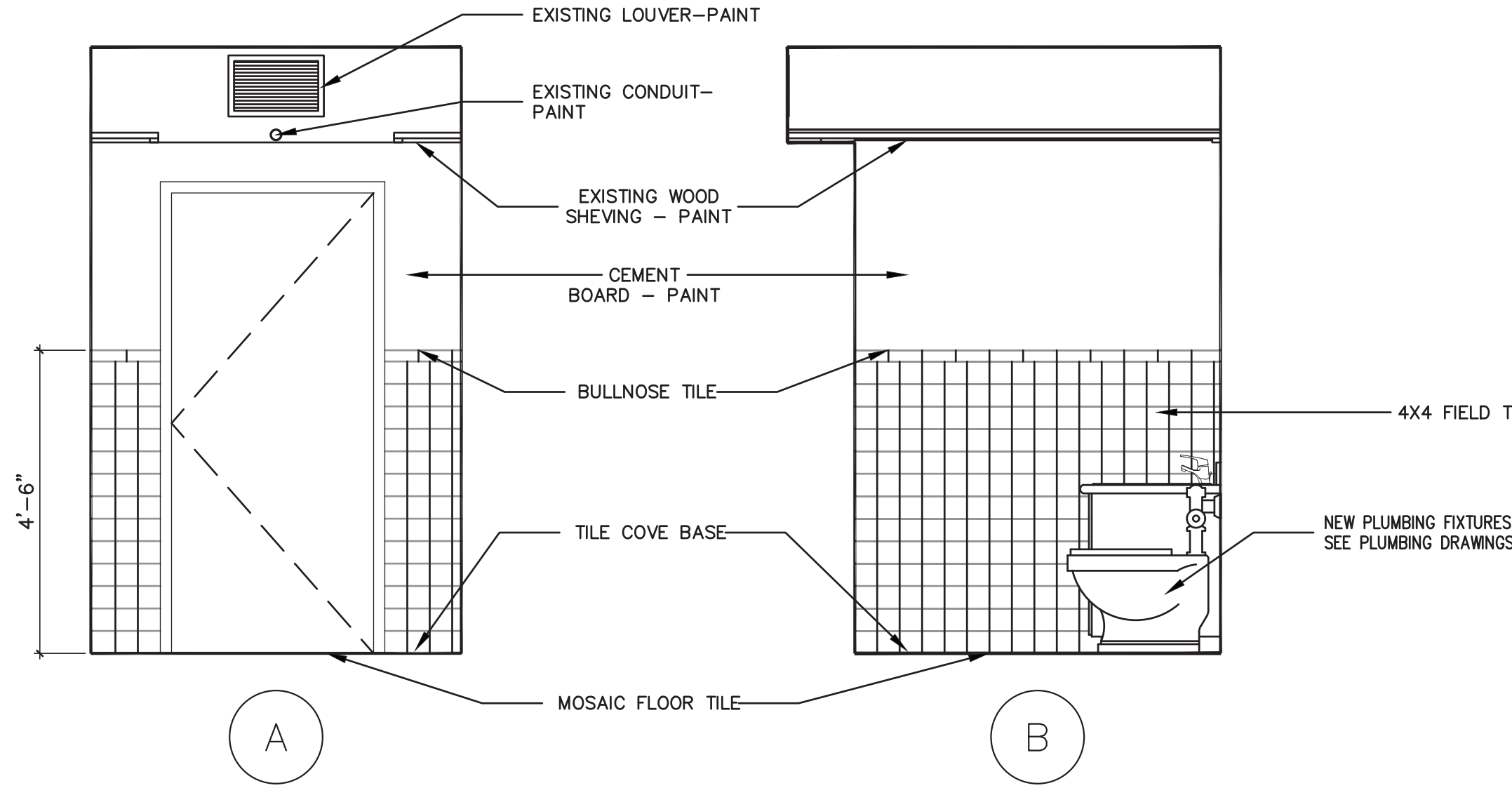
2 SINK CABINET – CLASSROOM #14
SCALE: 1"=1'-0"



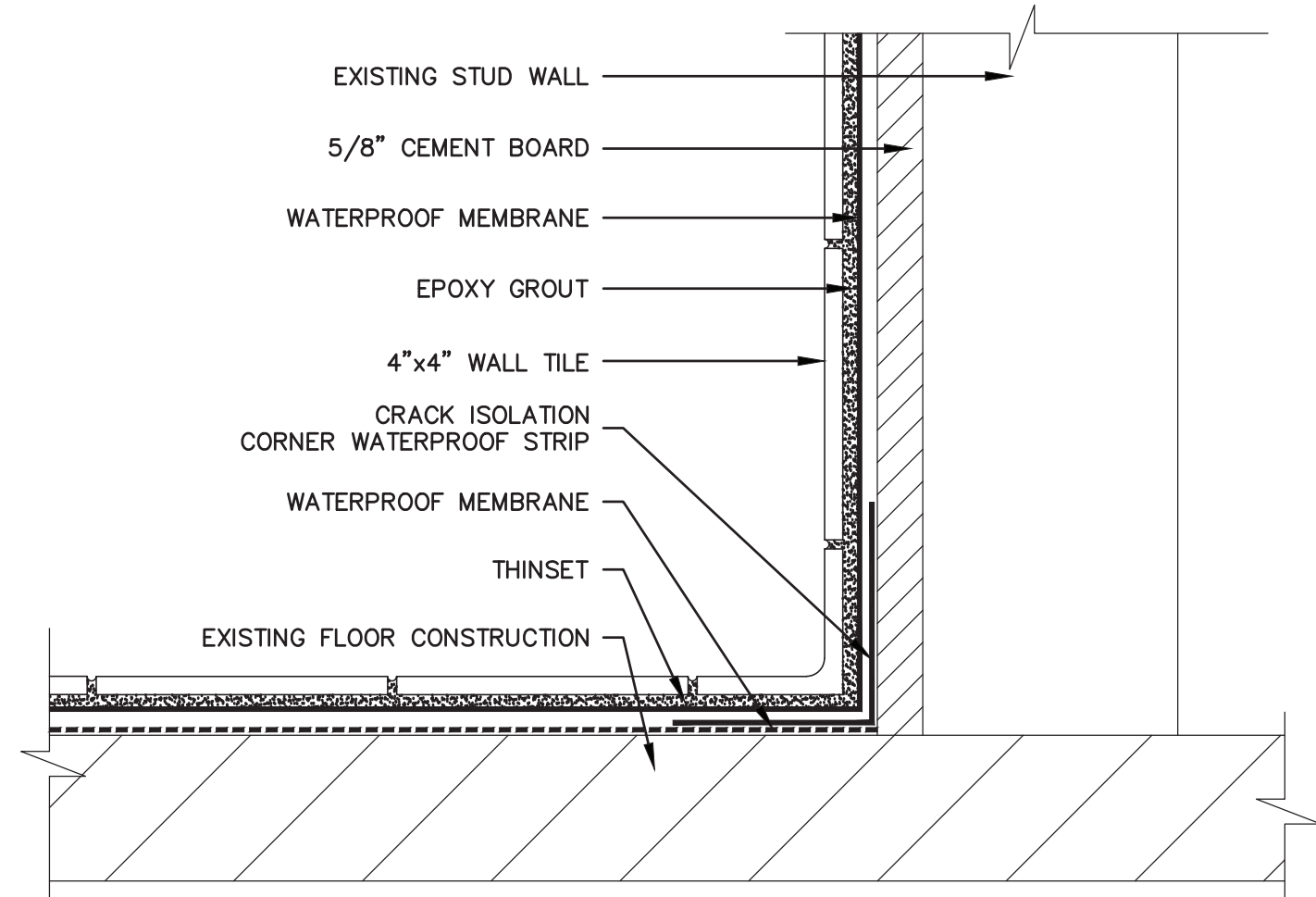
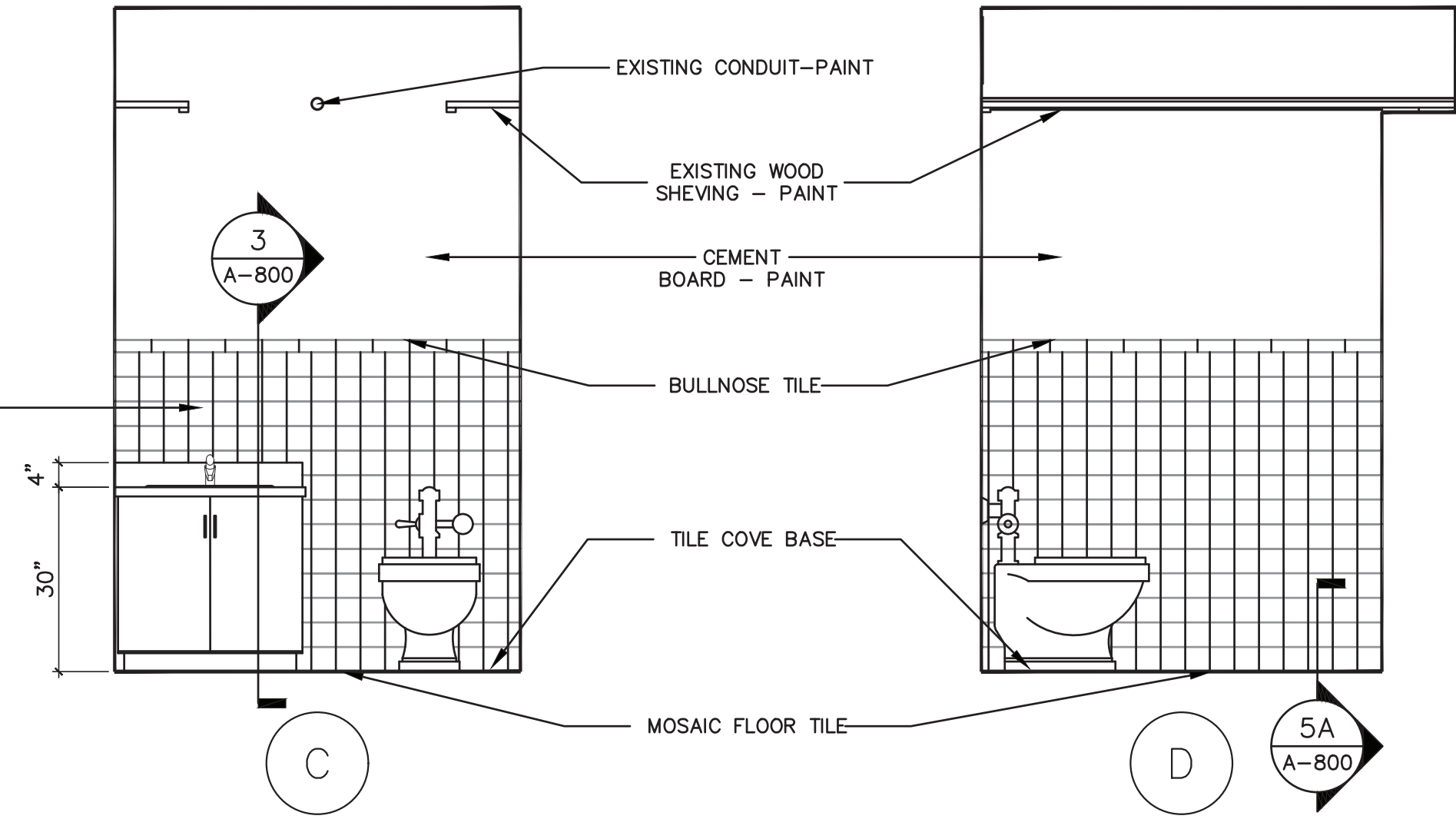
4 DOOR TYPE ELEVATIONS
SCALE: 1/2"=1'-0"



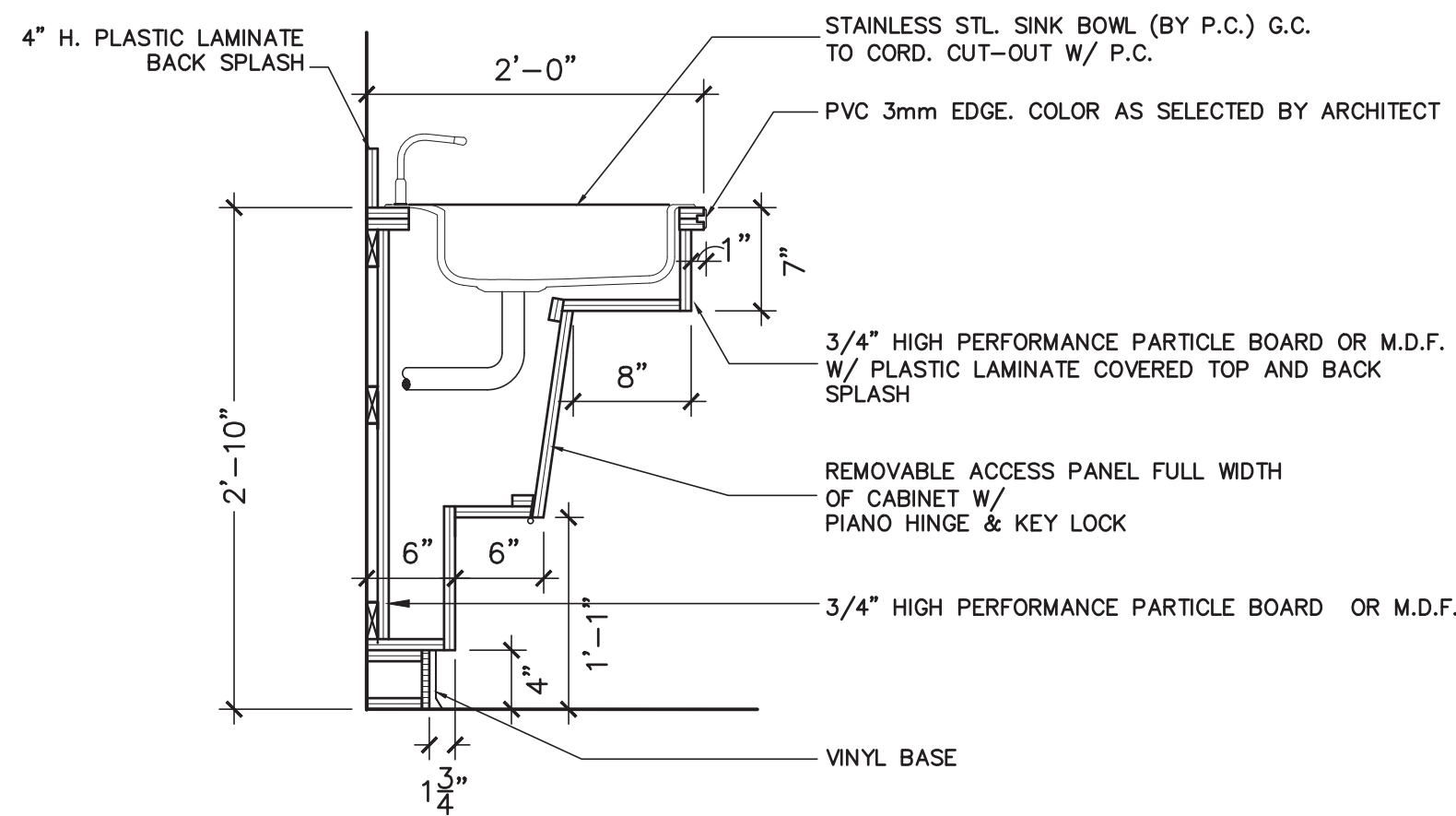
1 SINK CABINET – CLASSROOM #12
SCALE: 1"=1'-0"



5 TOILET ROOM INT. ELEVATIONS
SCALE: 1/2"=1'-0"



5A TILE DETAIL
SCALE: N.T.S.



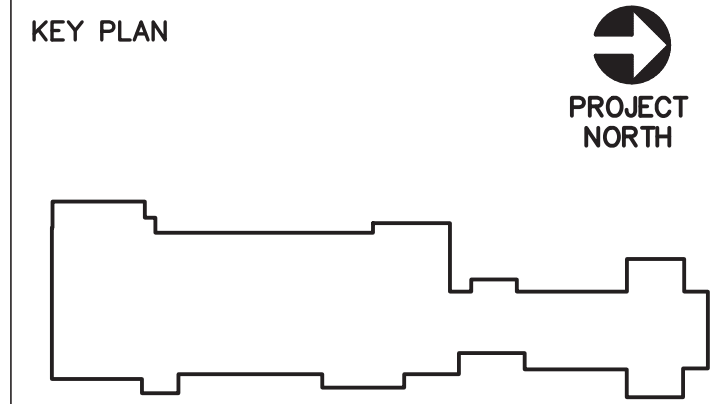
66.23.00.01.0.016.009

YONKERS PROJECT NUMBER
10845

PROJECT NAME
YONKERS
PUBLIC SCHOOLS

PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE



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20 MARBLE HILL, PLASANTVILLE, NY 10570
PHONE: 914.328.0000 FAX: 914.328.0004 Gcon@BGAEng.com

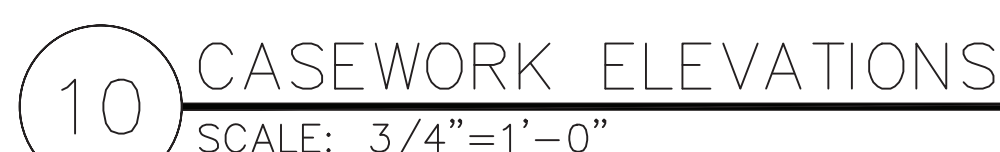
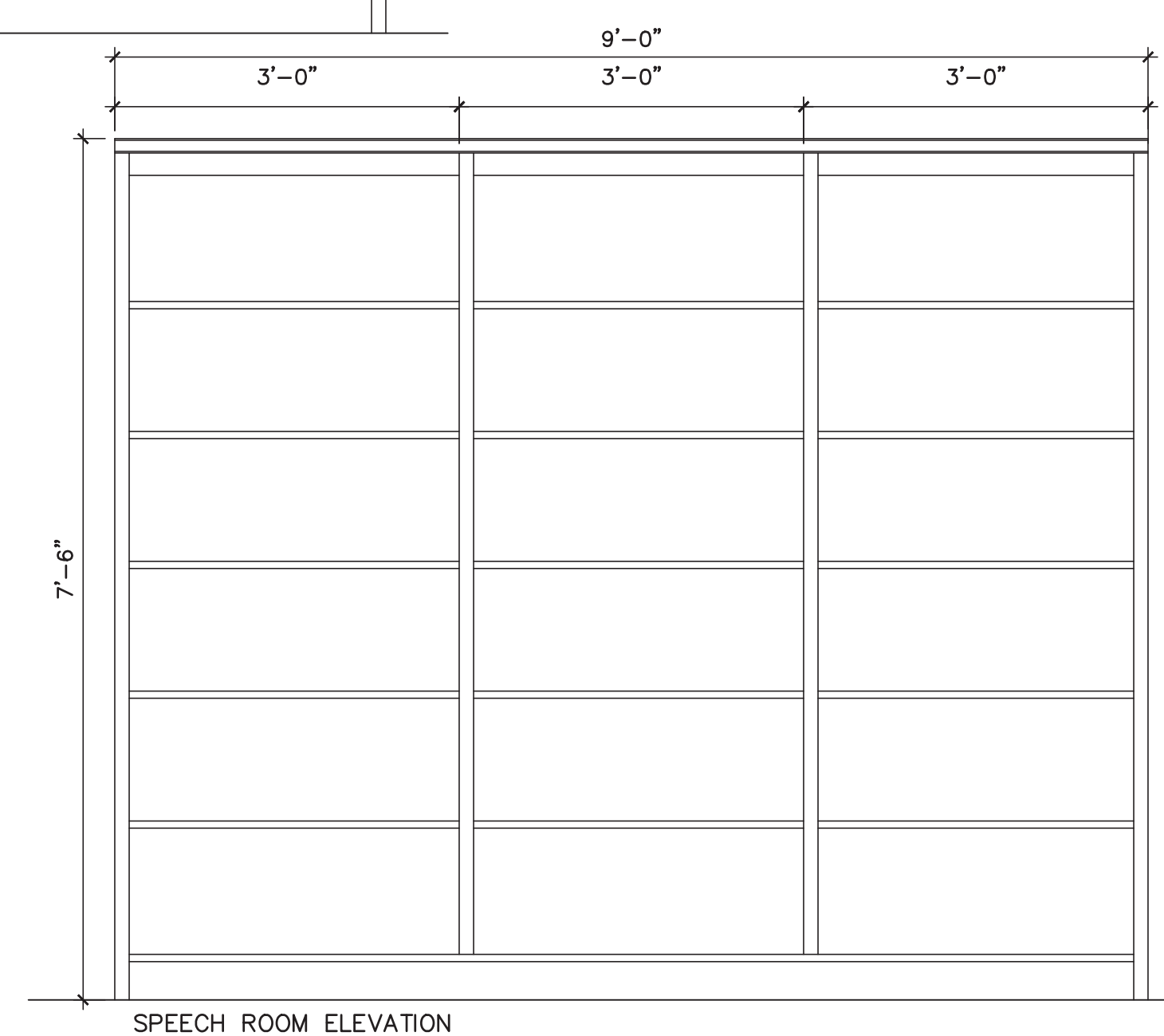
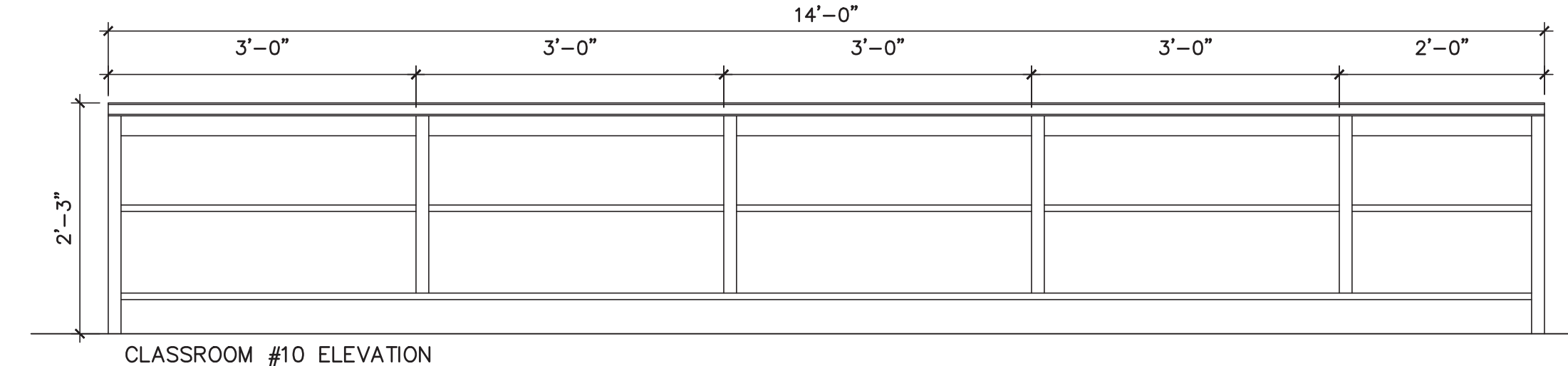
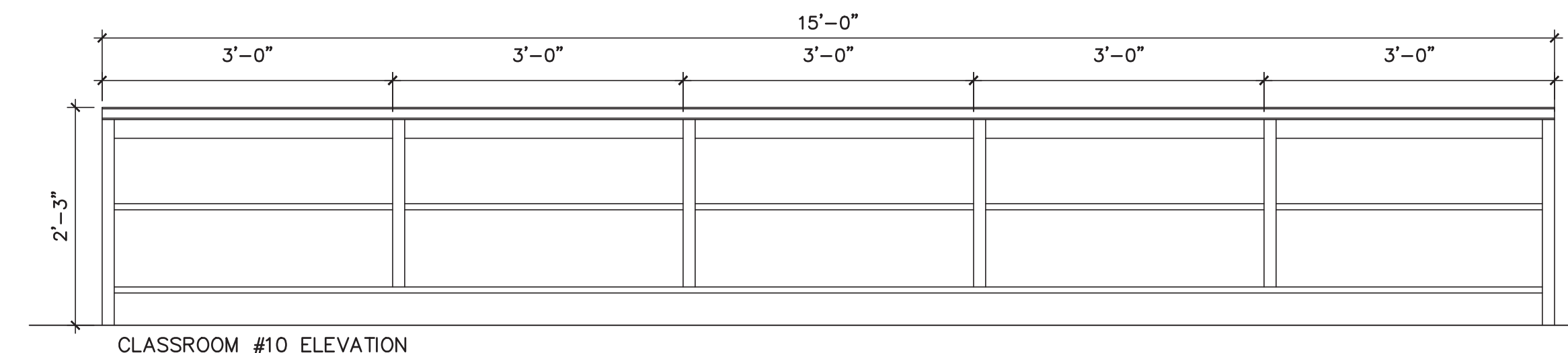
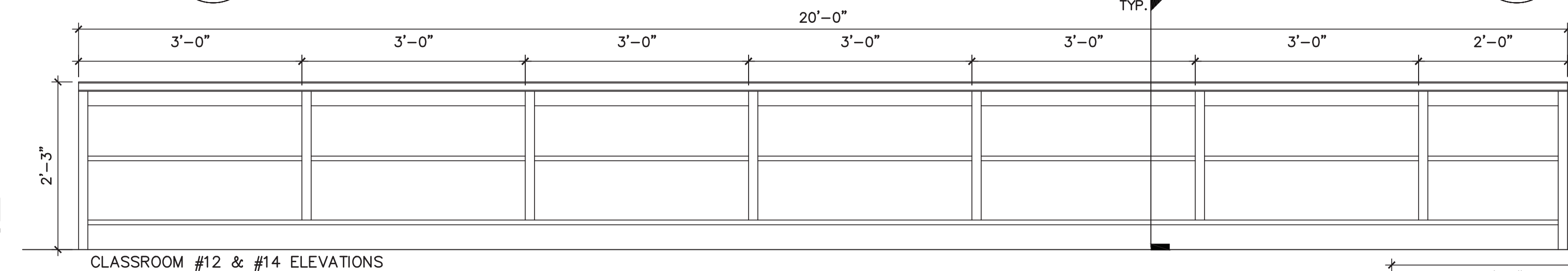
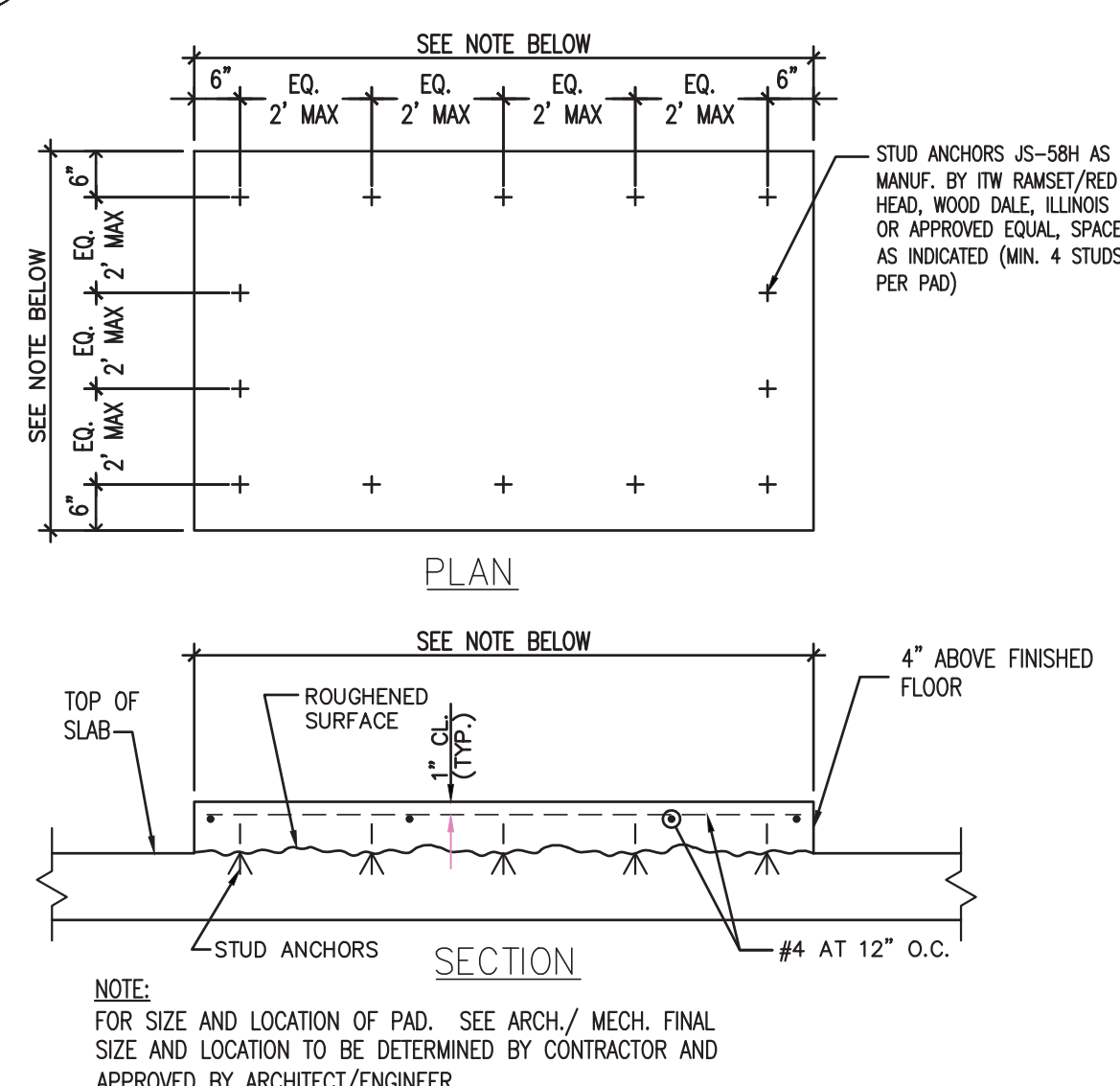
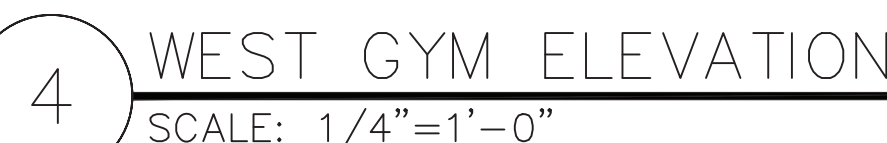
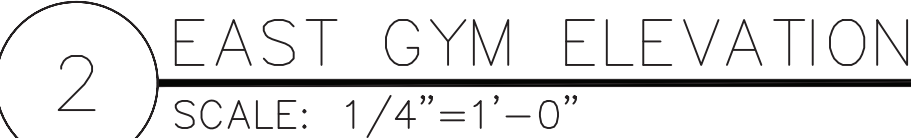
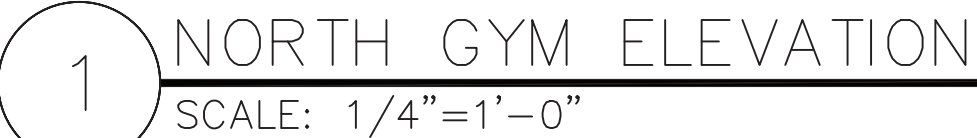
REV. NO.	DATE	DESCRIPTION
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	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN	DATE: 1/23/19
DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE
DOOR SCHEDULE,
MILLWORK DETAILS
& INTERIOR
ELEVATIONS

SHEET NO.
A-800

FINISH SCHEDULE						NOTE: ALL FINISHES SHALL BE CLASS "A" SEE WALL ELEVATIONS FOR SPECIFIC COLORS AND PATTERNS.			
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS		CEILING			REMARKS
		MAT.	MAT.	MAT.	FIN.	MAT.	FIN.	HEIGHT	
1	STAIR	EX. TZ	VB	PL	PT	PL	PT	9'-0"	PROVIDE 6" VINYL BASE
2	CORRIDOR	EX. TZ	VB	BK/GB	PT	PL	PT	11'-0"	
4	GYMNASIUM	VCT	VB	BK	PT	PL	PT	16'-0"	
5	STORAGE	LVT	VB	PL	PT	PL	PT	16'-0"	PROVIDE 6" VINYL BASE
5a	STORAGE	LVT	VB	PL	PT	PL	PT	16'-0"	
10	CLASSROOM	LVT	VB	PL	PT	PL	PT	11'-0"	
10a	STORAGE	LVT	VB	PL	PT	PL	PT	11'-0"	
10b	STORAGE	LVT	VB	PL	PT	PL	PT	11'-0"	
12	CLASSROOM	LVT	VB	PL	PT	PL	PT	11'-0"	
12a	STORAGE	LVT	VB	PL	PT	PL	PT	11'-0"	
12b	STORAGE	LVT	VB	PL	PT	PL	PT	11'-0"	
14	CLASSROOM	LVT	VB	PL	PT	PL	PT	11'-0"	
14a	TOILET	CT	CT	GB	CT	GB	PT	9'-0"	
14b	STORAGE	LVT	VB	PL	PT	PL	PT	11'-0"	
15	SPEECH	LVT	VB	PL	PT	PL	PT	11'-0"	
16	GYM. STAIRHALL #1	EX.C	VB	PL	PT	PL	PT	11'-0"	PROVIDE 6" VINYL BASE
17	GYM. STAIRHALL #2	EX.C	VB	BK/PL	PT	PL	PT	11'-0"	PROVIDE 6" VINYL BASE
A1	STORAGE	LVT	VB	GB	PT	PL	PT	13'-0"	
A2	IT CLOSET	EX.	VB	GB	PT	PL	PT	9'-0"	
FINISH KEY:						FINISH NOTES:			
CPT= CARPET						1. REMOVE EXISTING VINYL BASE WHERE NEW IS SCHEDULED.			
VCT= VINYL COMPOSITE TILE						PROVIDE 4" VINYL BASE, U.N.O.			
CT = CERAMIC TILE						2. REMOVE EXISTING FLOORING WHERE NEW IS SCHEDULED.			
PT = PAINT						3. PAINT PLASTER CEILING, PIPES, RADIATORS, HEATERS, ACCESS			
EX. TZ = EXISTING TERRAZZO						PANELS, VENTILATION EQUIPMENT, JUNCTION BOXES, CONDUIT, &			
EX. = EXISTING TO REMAIN						ALL MISC. EQUIPMENT PREVIOUSLY PAINTED.			
EX. C = EXISTING CONCRETE TO BE PAINTED									



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YONKERS PROJECT NUMBER

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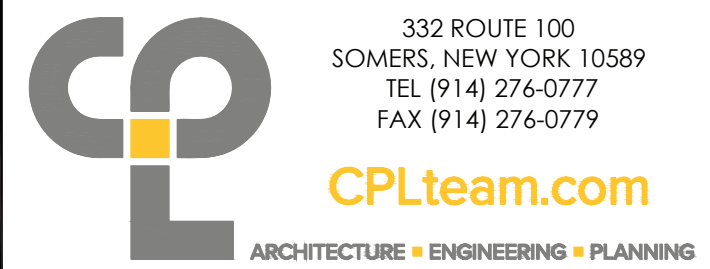
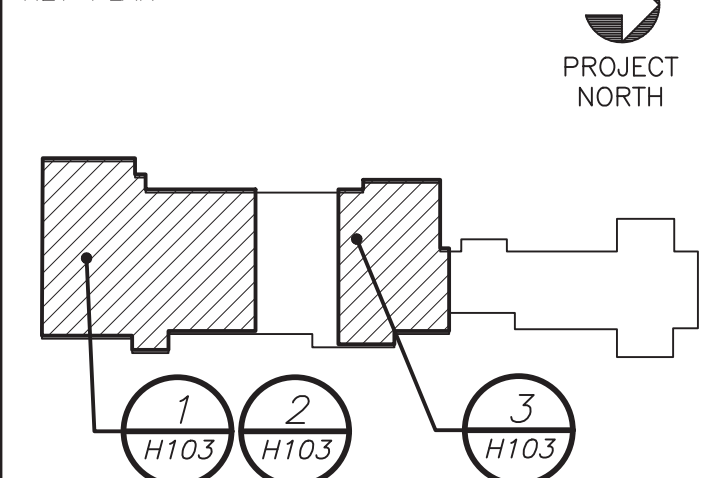
PS 16 - YONKERS

759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE



KEY PLAN



CONSULTANTS

CIVIL ENGINEER CONSULTANT



SECURITY CONSULTANT



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ADELAIDE ENVIRONMENTAL HEALTH ASSOC.
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MECHANICAL ELECTRICAL CONSULTANT



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SCALE: AS SHOWN DATE: 1/23/19
DRAWN BY: K.C. CHECKED BY: C.G.

DRAWING TITLE

LEGEND, NOTES,
PART BASEMENT AND
FIRST FLOOR PLANS

SHEET NO.

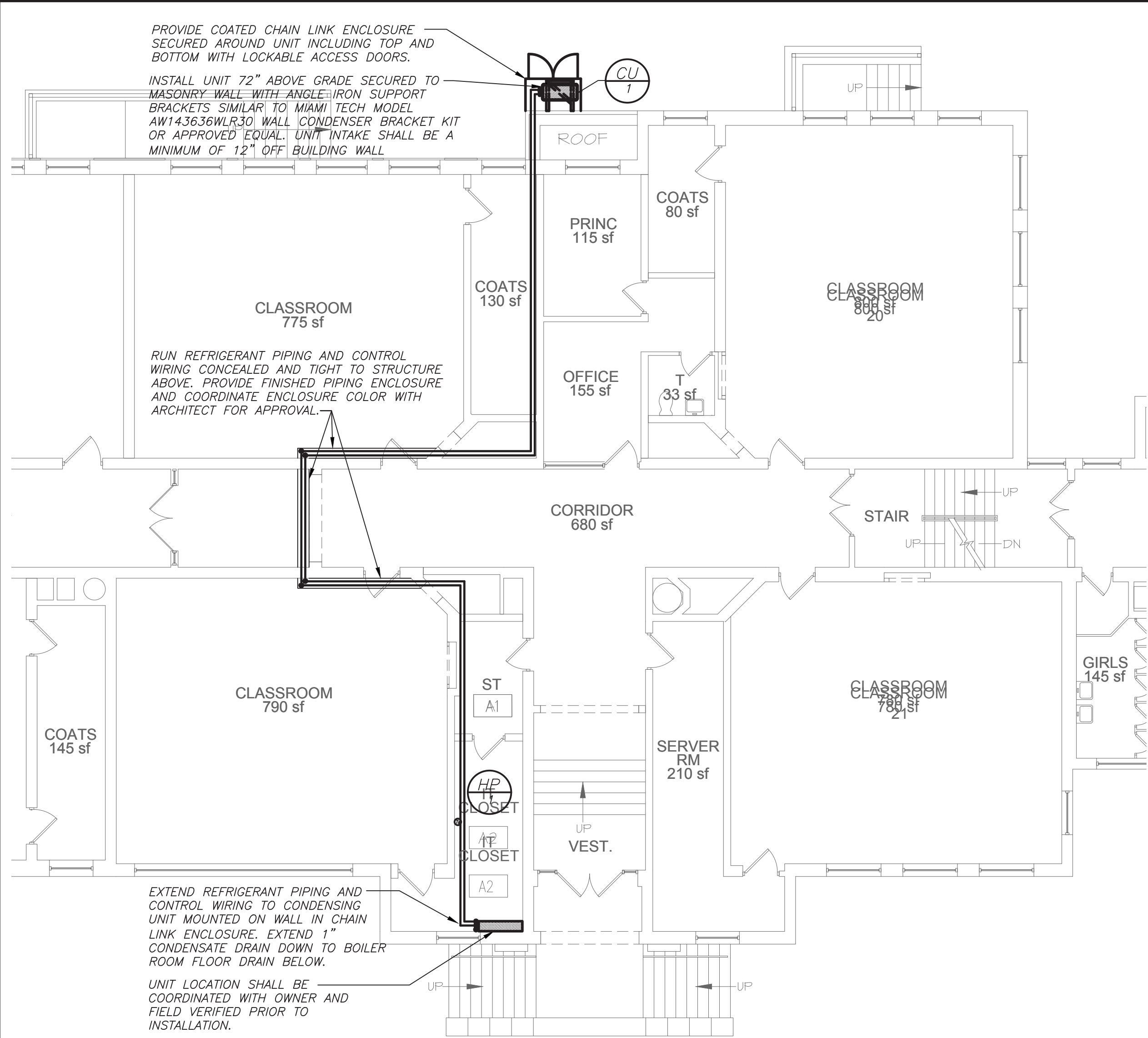
H101.00

LEGEND

	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED
	NEW DUCTWORK
	EXISTING CEILING EXHAUST/RETURN REGISTER/GRILLE
	SQUARE DUCT TURN WITH TURNING VANES
	EXISTING CEILING EXHAUST/RETURN REGISTER/GRILLE
	3-WAY CEILING DIFFUSER
	3-WAY CEILING DIFFUSER
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/LOCKING DEVICE)
	MOTORIZED DAMPER
	FIRE DAMPER AND ACCESS DOOR/SMOKE DAMPER AND ACCESS DOOR
	EXISTING LOW PRESSURE STEAM SUPPLY PIPE
	EXISTING LOW PRESSURE STEAM RETURN PIPE
	LOW PRESSURE STEAM SUPPLY PIPE
	LOW PRESSURE STEAM RETURN PIPE
	CONDENSATE DRAIN PIPING
	FLOW DIRECTION WITHIN PIPE
	SHUT OFF VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE (CIRCUIT SETTER)
	2-WAY CONTROL VALVE
	CHECK VALVE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	CLEAN OUT
	AUTOMATIC AIR VENT IDENTIFICATION
	THERMOMETER
	PRESSURE GAUGE (WITH SHUT-OFF COCK)
	STRAINER WITH BLOWDOWN
	EXISTING UNIT VENTILATOR IDENTIFICATION
	EXISTING UNIT VENTILATOR LOUVER IDENTIFICATION
	NEW UNIT HEATER IDENTIFICATION
	NEW ENERGY RECOVERY UNIT IDENTIFICATION
	NEW HEAT PUMP UNIT IDENTIFICATION
	NEW CONDENSING UNIT IDENTIFICATION
	NEW WALL MTD. (5'-2"+/- A.F.F.) TEMPERATURE SENSOR
	EXISTING TEMPERATURE SENSOR
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
	WIRE MESH SCREEN
	CUBIC FEET PER MINUTE
	ABOVE FINISHED FLOOR
	OUTSIDE AIR INTAKE
	FLEXIBLE CONNECTION
	ACCESS DOOR
	MOTORIZED DAMPER
	VOLUME DAMPER
	FIRE DAMPER AND ACCESS DOOR
	CLEAN OUT
	GENERAL CONTRACTOR
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	SECTION/ELEVATION IDENTIFICATION

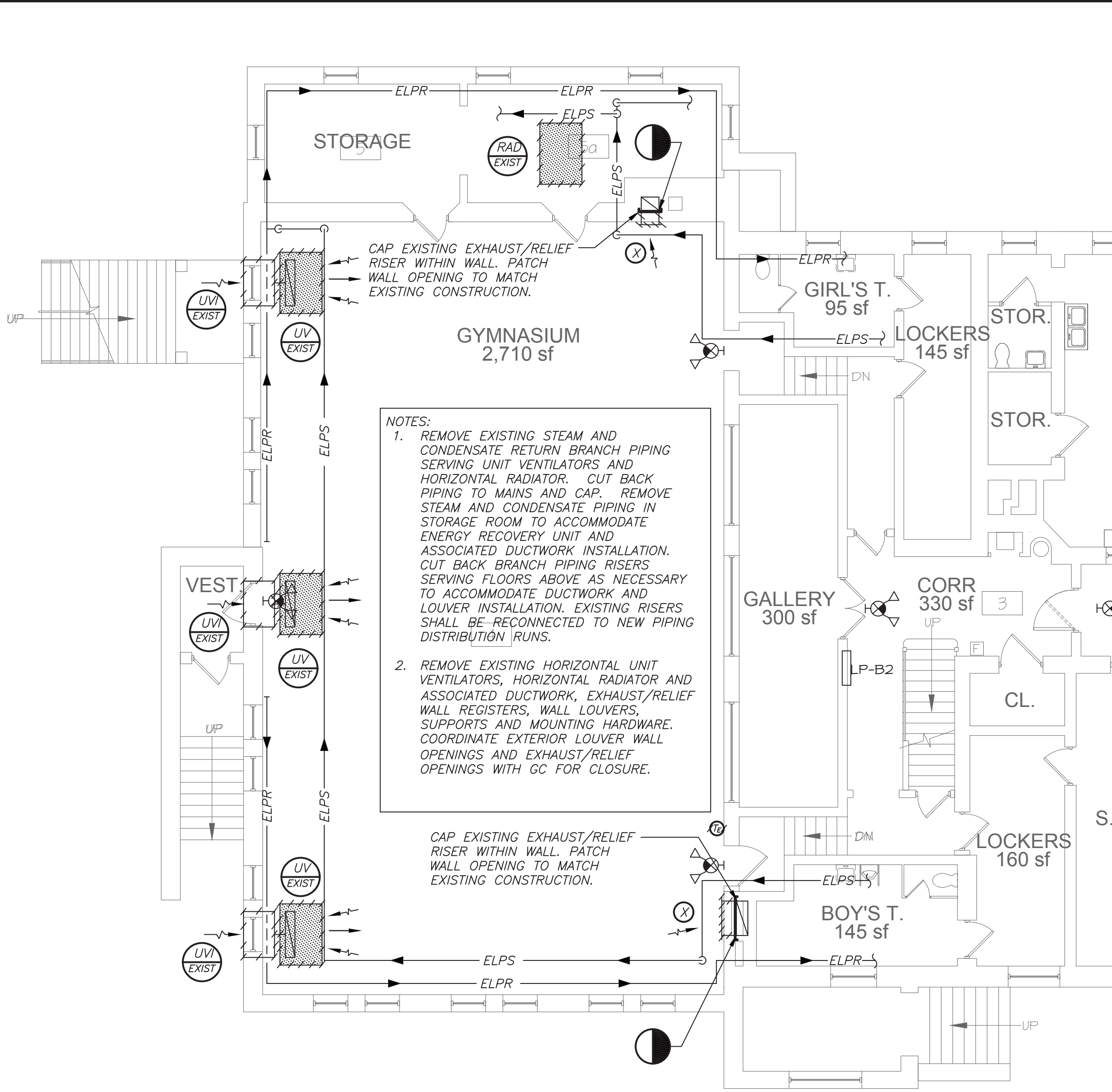
REMOVAL NOTES

- THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT. UNTIL SUCH REMOVAL IS COMPLETE, THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
- EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SURFACED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.



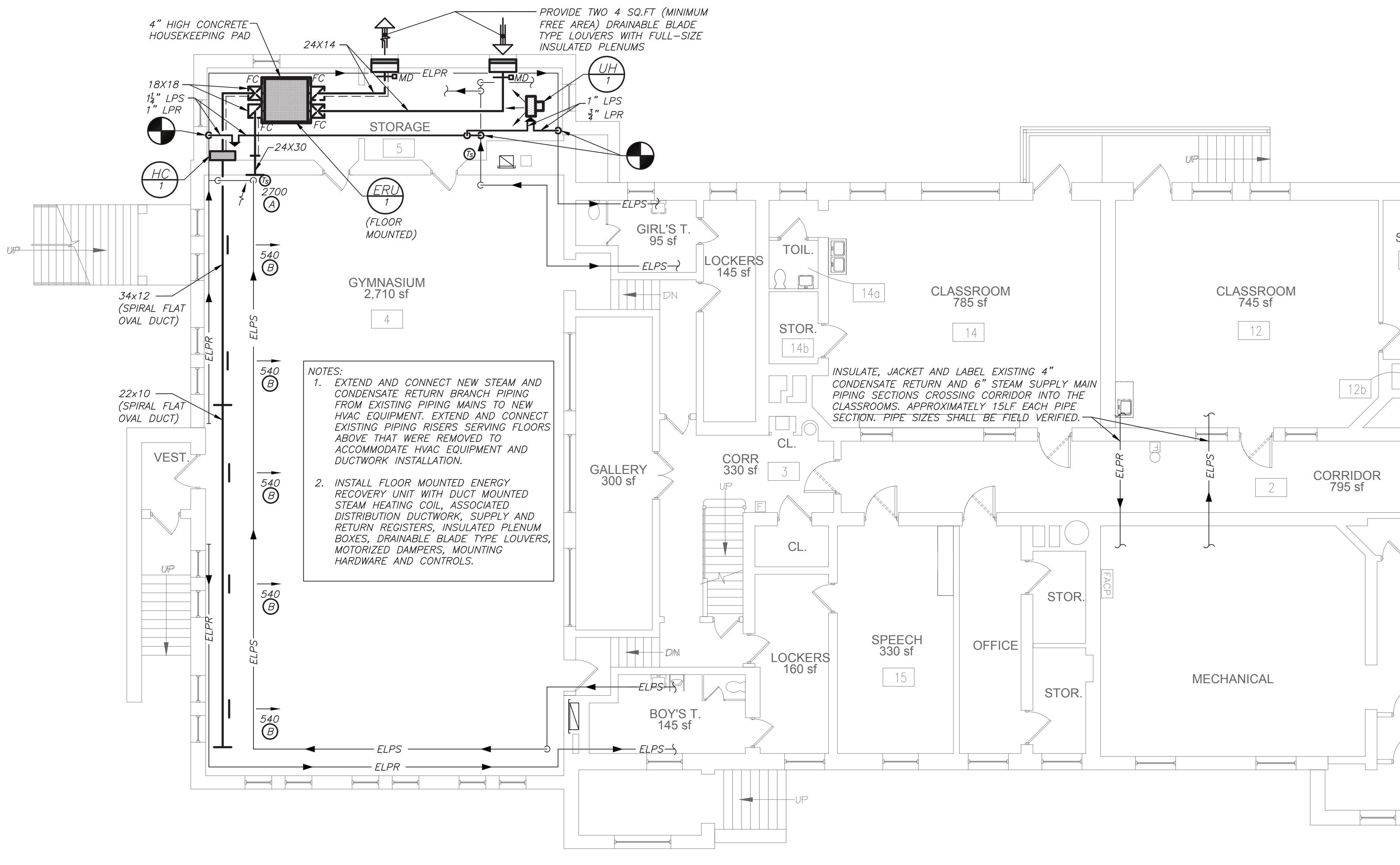
PART FIRST FLOOR PLAN
(NEW WORK)

3
H101



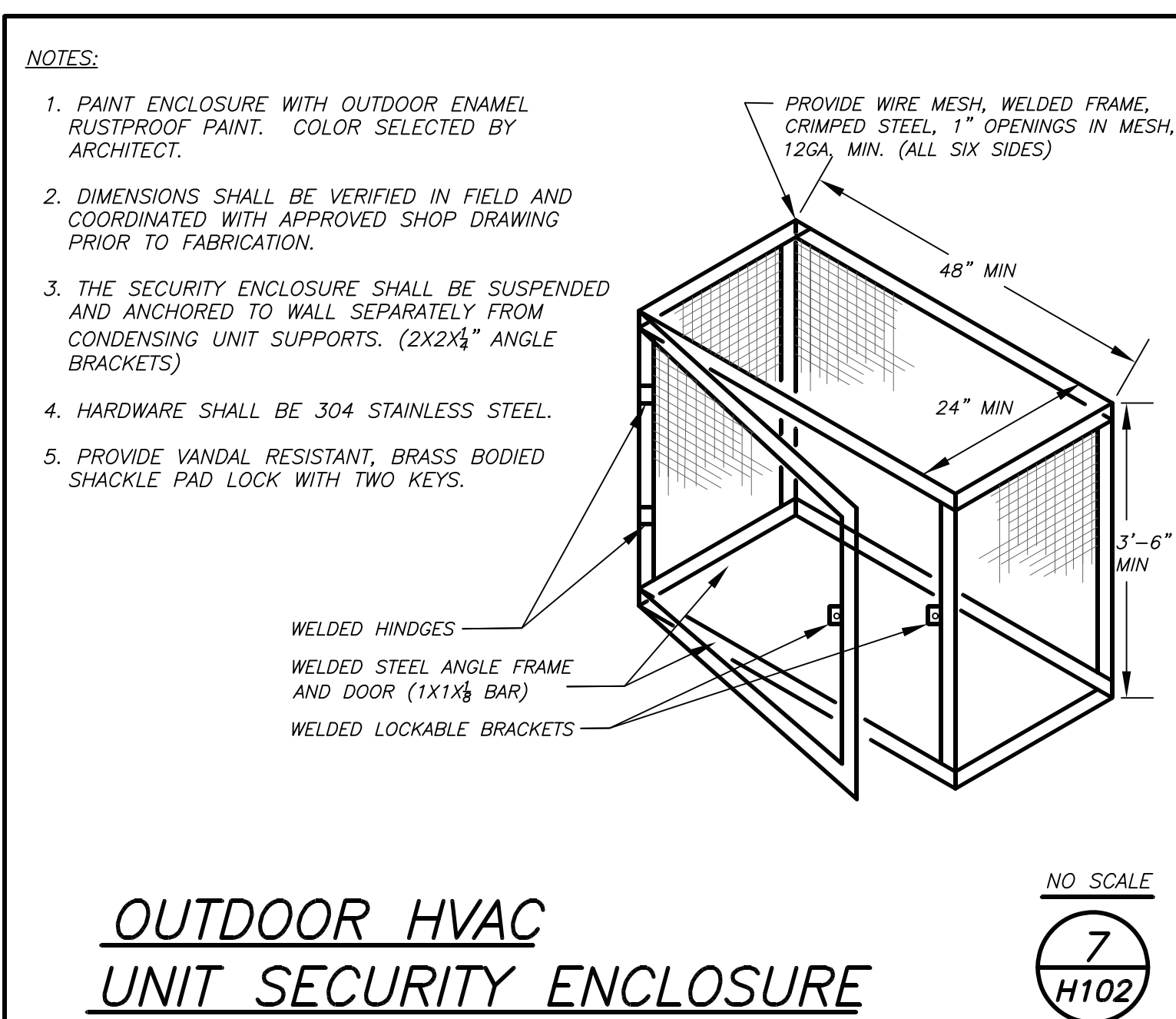
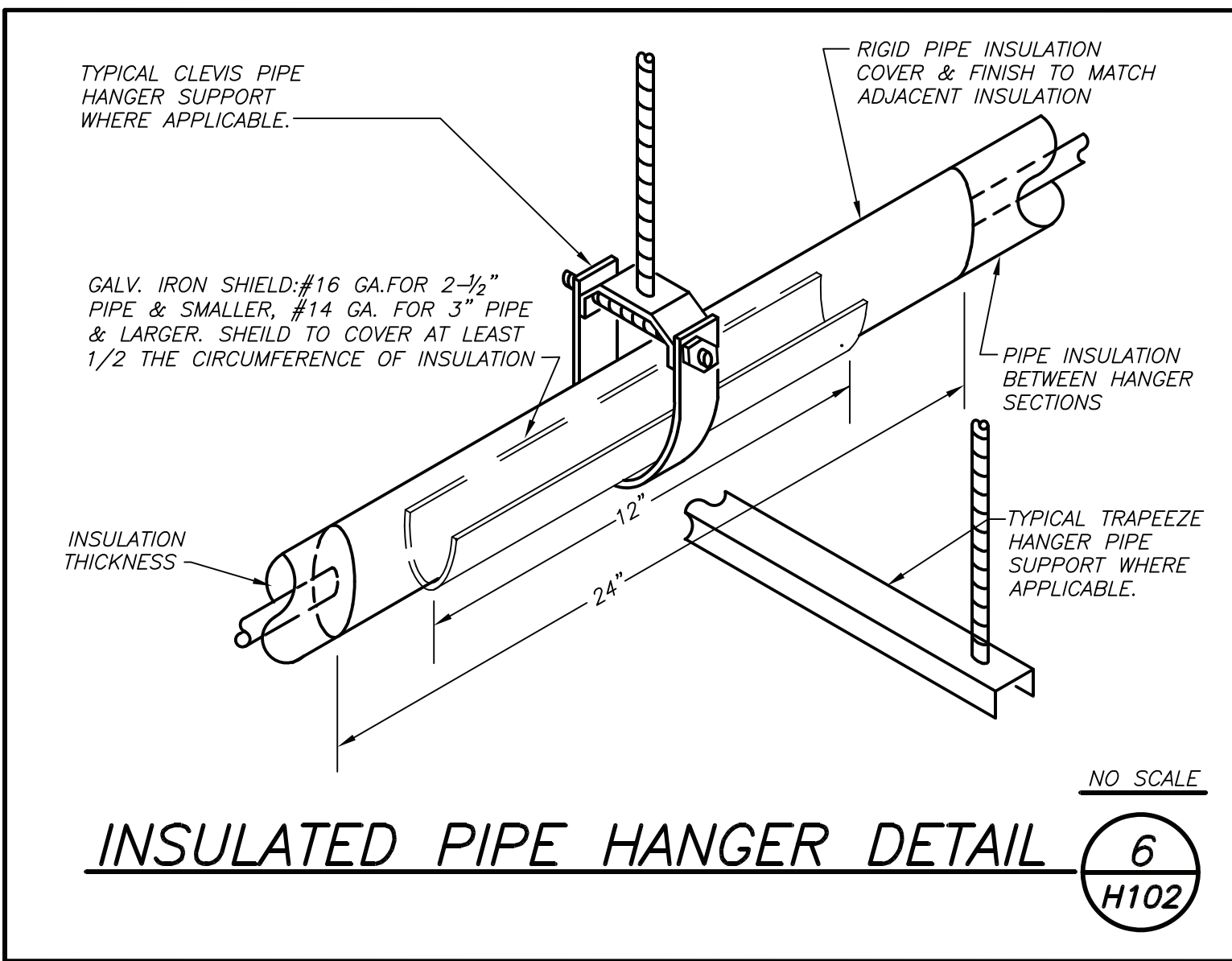
PART BASEMENT FLOOR PLAN
(REMOVALS)

1
H101

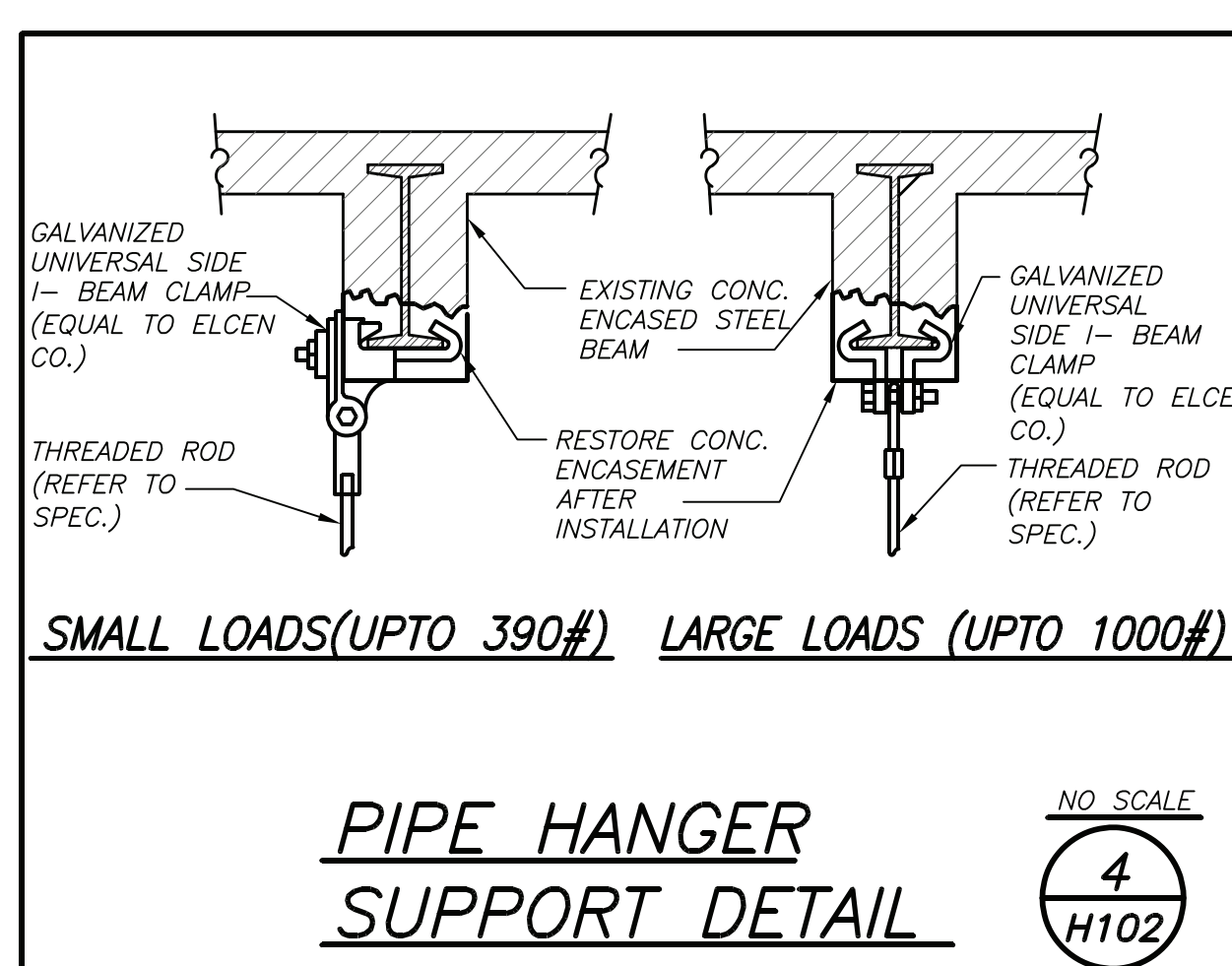
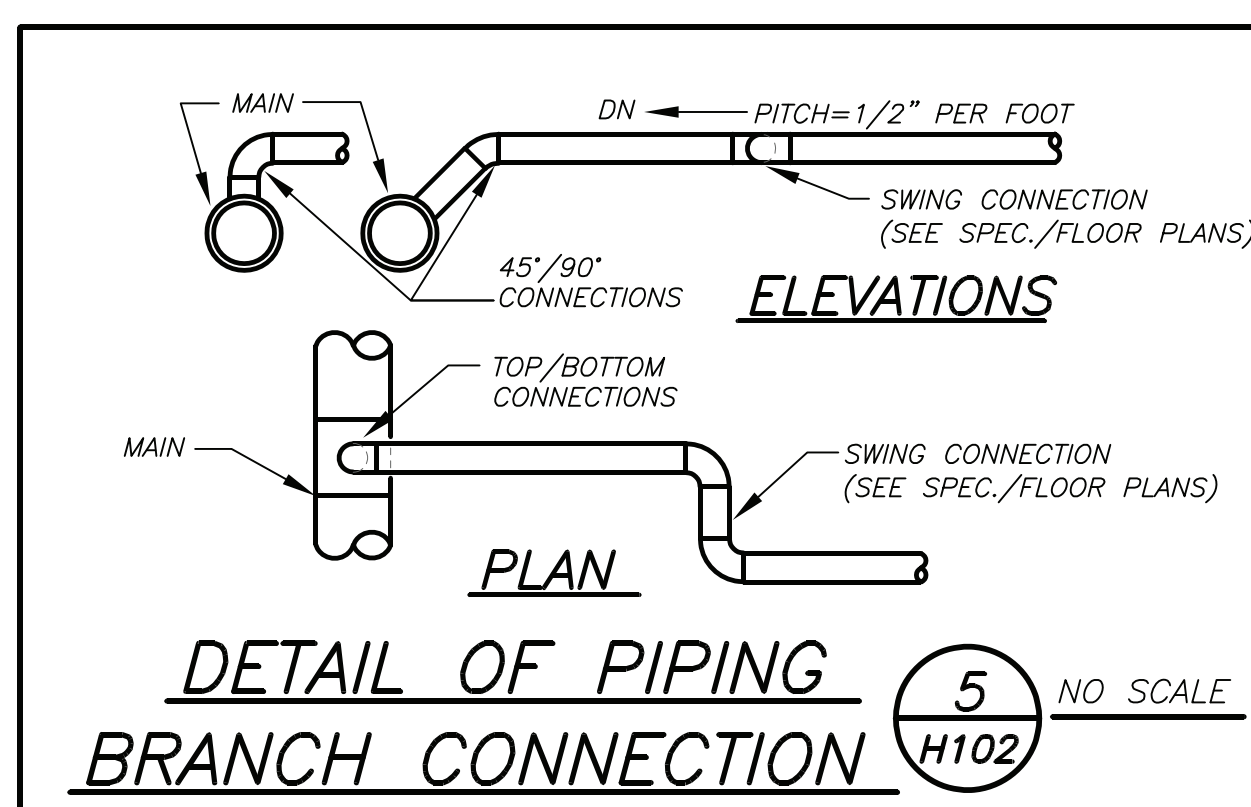


PART BASEMENT FLOOR PLAN
(NEW WORK)

2
H101



SCHEDULE OF ENERGY RECOVERY UNITS																										
GENERAL DATA					SUPPLY FAN DATA			RETURN-EXHAUST FAN DATA			HEATING COIL DATA				PRE & AFTER-FILTER DATA			ELECTRICAL DATA			ERU DIMENSION & WTS.				REMARKS	
MARK	SERVICE	LOCATION	OUTSIDE AIR CFM	MODEL No. ①	CFM	EXT. S.P. IN. WG	MOTOR HP	CFM	RA E.S.P. IN. WG	MOTOR HP	MARK	TOT. CAP. MBH	MIN. COIL FACE AREA	STEAM PRES.	NO.	SIZE	TYPE	V/PH/Hz	MCA	MOC/P	L	W	H	WTS-#		
ERU	GYM	STORAGE ROOM	2700	VERY3000HH	2700	1.25	3.0	2700	1.25	3.0	HC	208	2.0	2 PSI	-	-	MERV 13	208/3/60	27.0	30	58	58	60	700	REFER TO 0000	
NOTES	① AS MANUFACTURED BY "ENERGY WALL"											④ UNIT SHALL BE DELIVERED IN MULTIPLE SECTIONS AND ASSEMBLED IN ROOM BY FACTORY TRAINED REPRESENTATIVE. UNIT SHALL BE INSTALLED ON CONCRETE HOUSE KEEPING PAD. PROVIDE NEOPRENE MATTE PAD VIBRATION ISOLATORS AT BASE OF UNIT.														
	② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.																									
	③ PROVIDE FACTORY INSTALLED VARIABLE SPEED CONTROL, MOTORIZED SUPPLY/EXHAUST DAMPERS (FIELD INSTALLED), DAMPER END SWITCHES, RE-CIRCULATION DRY CONTACTS, LOW TEMP LIMIT, DIRTY FILTER SWITCH, MERV 13 FILTERS, BACKET COMPATIBLE CONTROLLER, DUCT MOUNTED STEAM HEATING COIL, SUPPLY/RETURN TEMPERATURE SENSORS, REMOTE WALL MOUNTED (PLATE TYPE) TEMPERATURE SENSORS, DDC CONTROLLER TIED INTO DISTRICT ATC.											⑤ DESIGN AIR CONDITIONS: SUMMER OA (95°/75°F) RA (75°/63°F) WINTER OA (0°/0°F) RA (70°/53°F)														

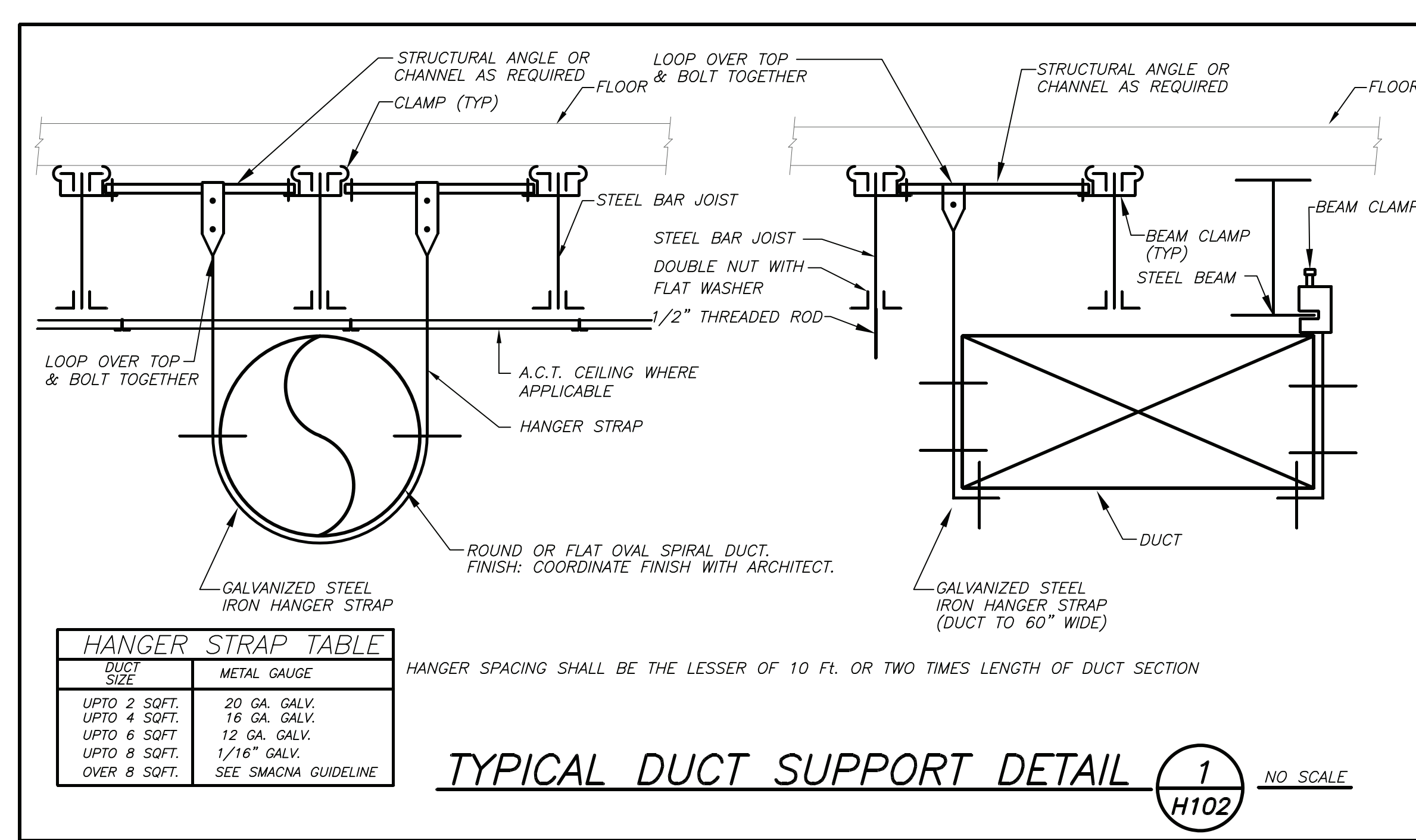
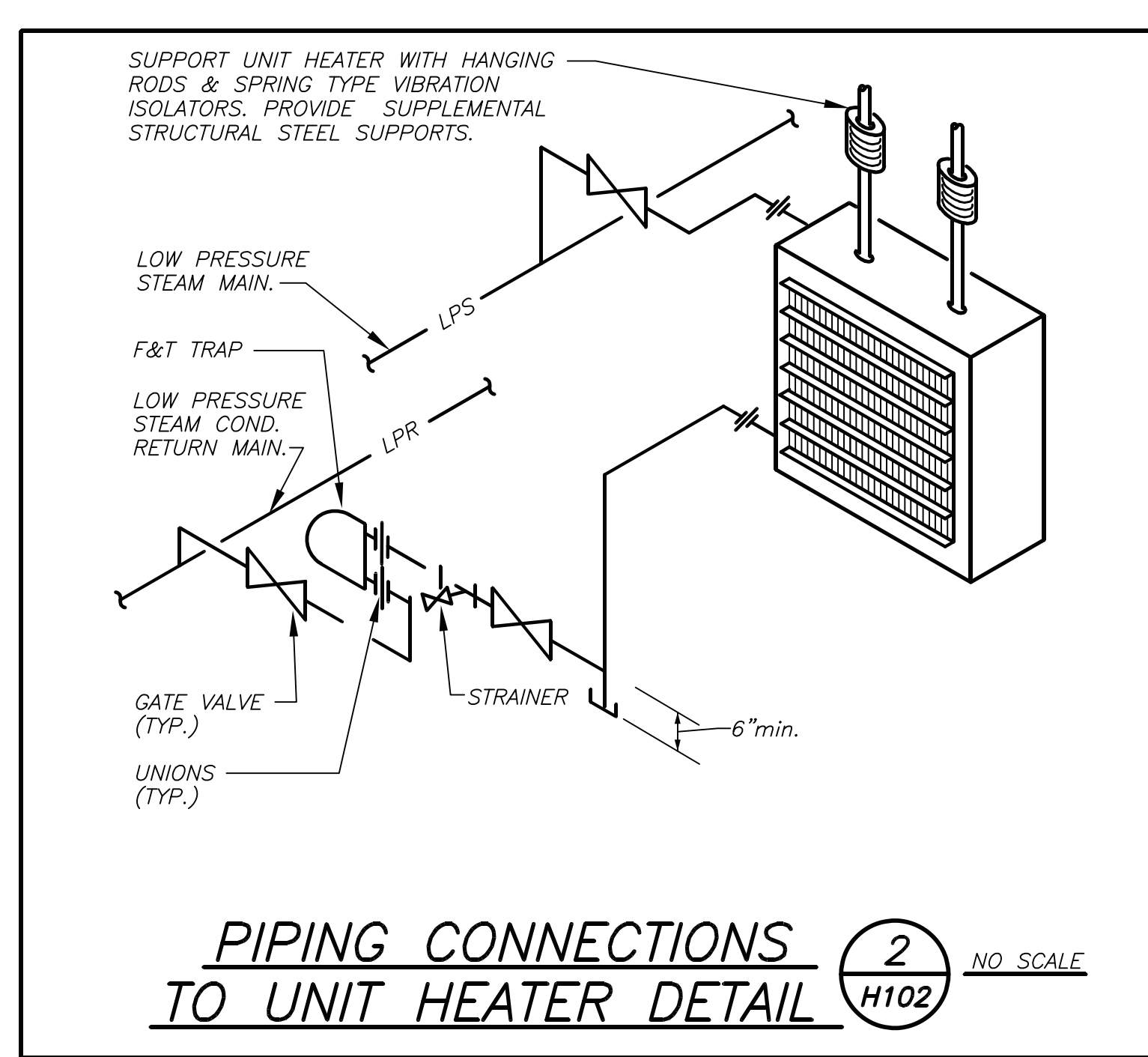
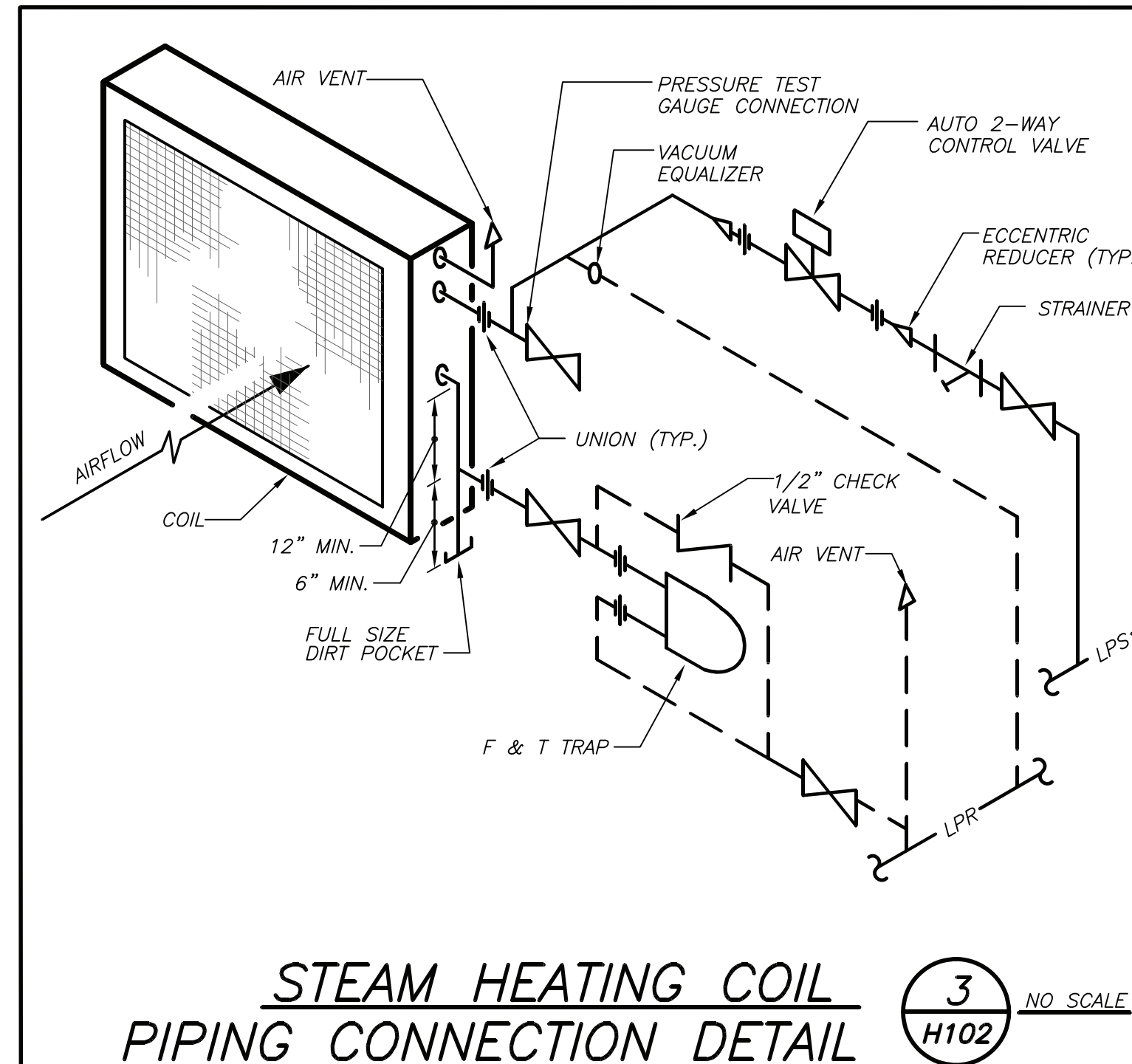
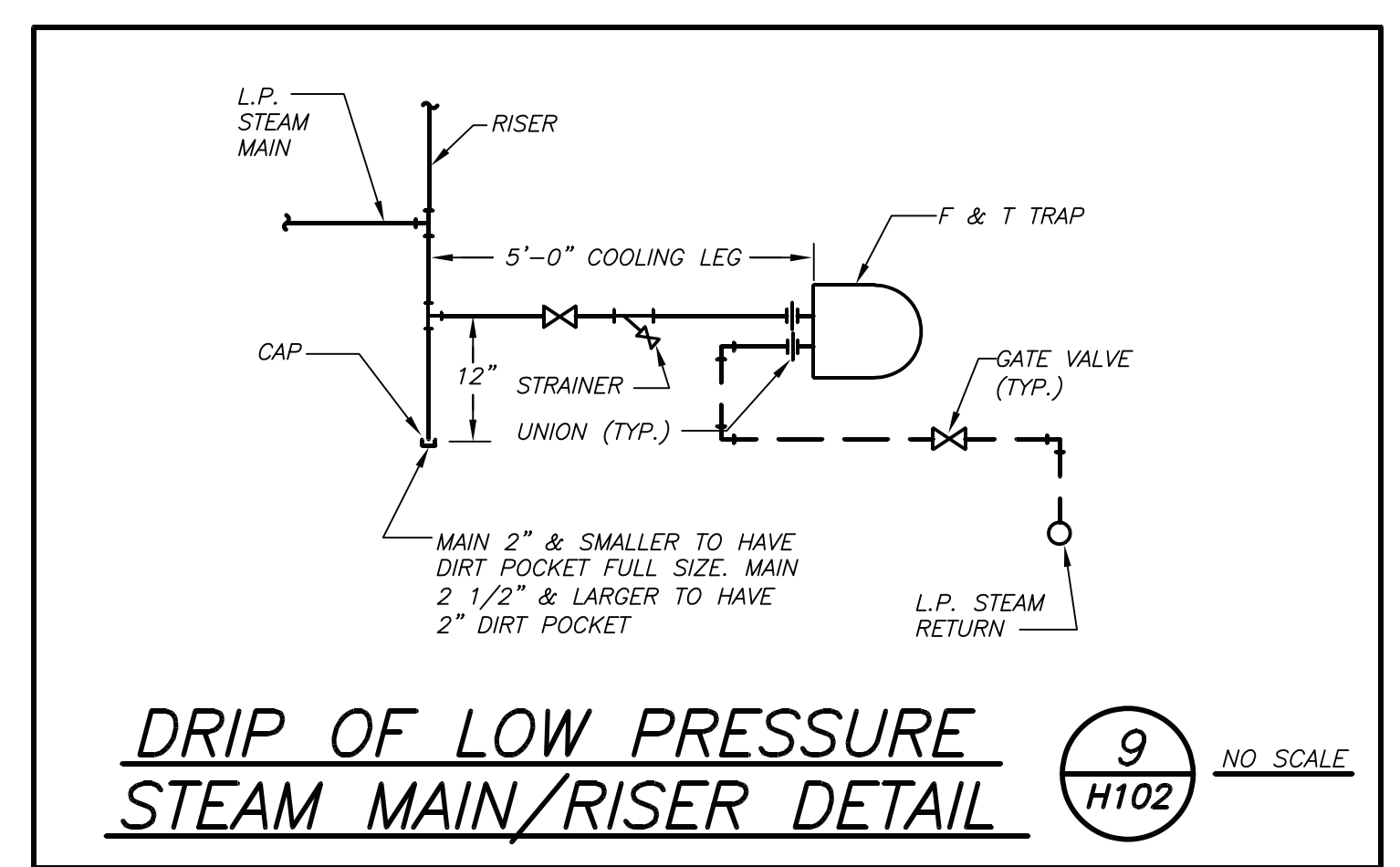
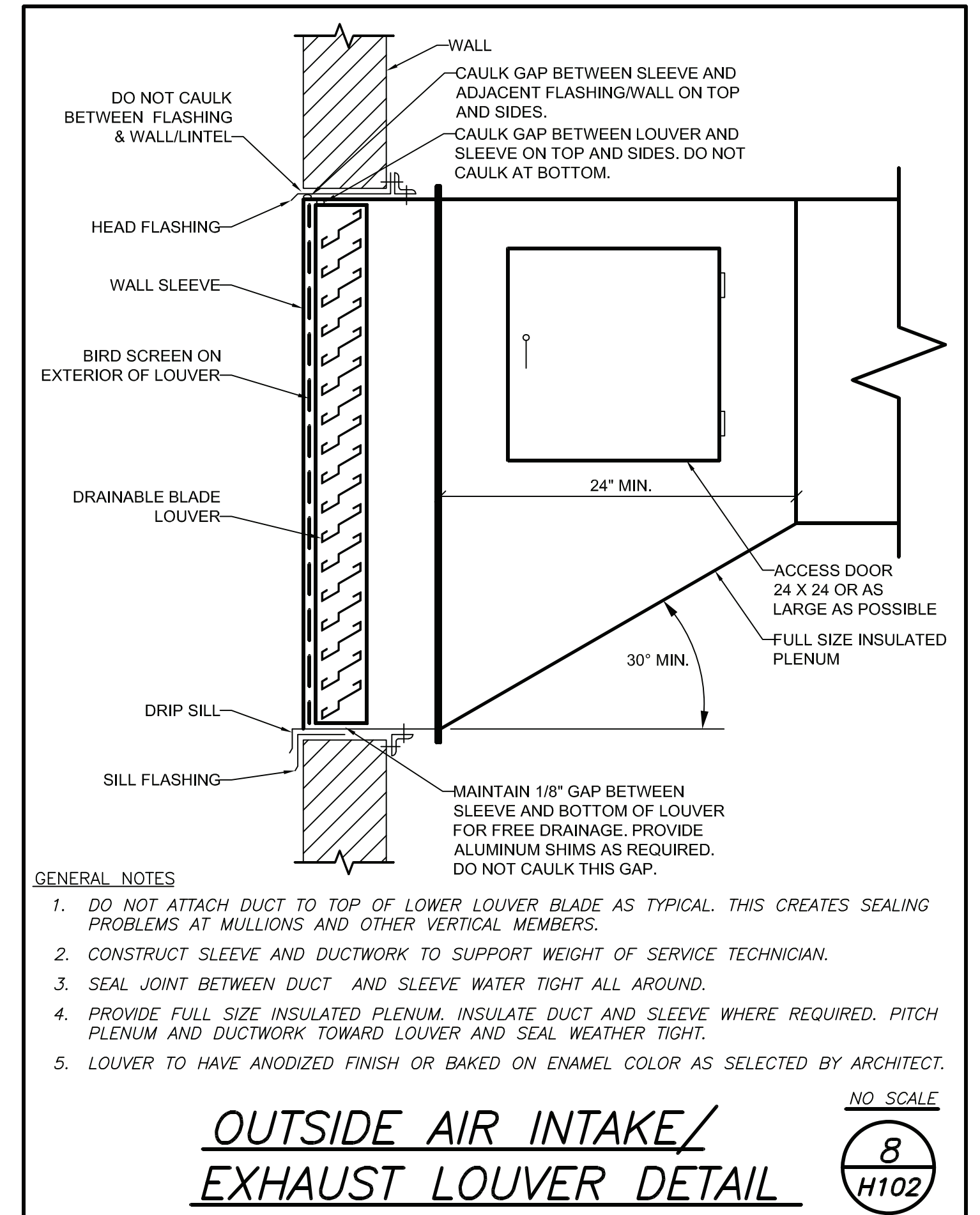


SCHEDULE OF DUCTLESS SPLIT SYSTEM AND VRF AIR CONDITIONING UNITS																								
GENERAL DATA					INDOOR UNIT INFORMATION					OUTDOOR CONDENSING UNIT INFORMATION														
MARK	SERVICE	MODEL No. ①	SUPPLY FAN DATA	TOTAL CAPACITY	COOLING/HEATING KBTU/HR	W (IN.)	D (IN.)	H (IN.)	LBS	GENERAL INFO.	COMPRESSOR DATA	ELECTRIC SERVICE	UNIT DIMENSIONS (IN.)	UNIT WEIGHT (LBS)										
HC	DATA CLOSET	ARNU2435K44	450	0.52	208/1/60	24,200/25,600	47	11	14	35	HC	ARUN024C554	1	20.0	30.0	208/1/60	38Lx16Wx33H	175						

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES																			
ROOM NAME/NUMBER	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#/1000SQ.FT)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER PEOPLE (Ax+B)=1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (FxC)+(Ax+D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM										
GYM 4	2710	100	7.5	0.06	-	271	2135	0.8	2668										

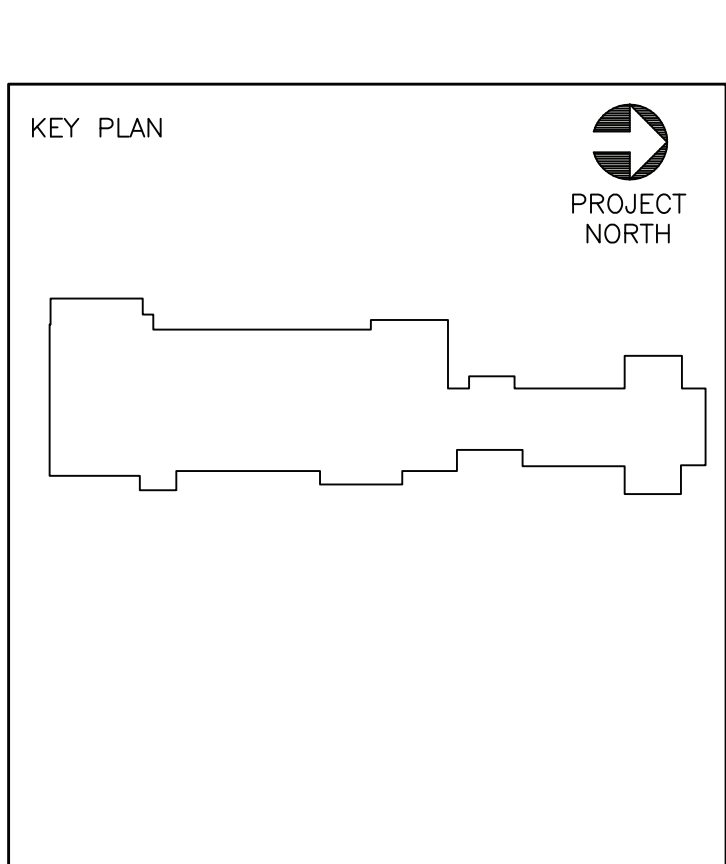
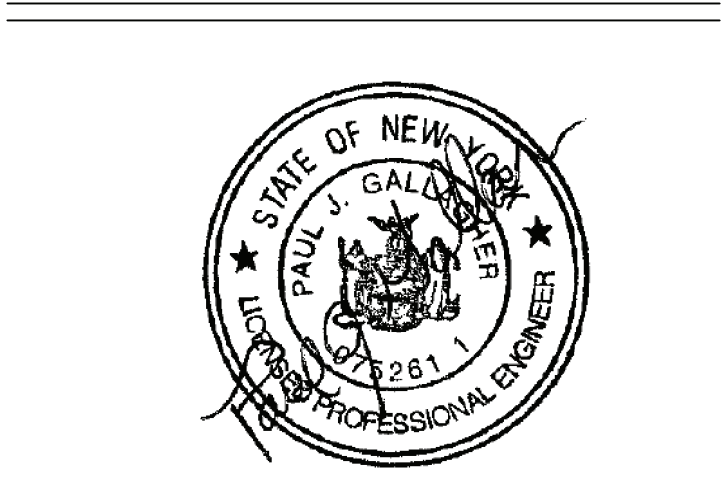
SCHEDULE OF REGISTERS AND DIFFUSERS																			
MARK	TYPE	SERVICE	MODEL No. ①	NOMINAL FACE SIZE	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS											
A	RETURN	RR	HD-30-45	24X24	-	OPPOSED BLADE	PER ARCH.	REFER TO 0000											
B	SUPPLY	SR	ECO-20	18x6	-	DIVERTER	↓	REFER TO 0000											
X	EXISTING	-	-	-	-	-	-												

SCHEDULE OF UNIT HEATER									
MARK	MODEL No. ①	CAPACITY DATA		MOTOR WATTS	ELECTRIC SERVICE	PHYSICAL DATA		REMARKS	
		BTU/HR	STEAM PRESURE			LxWxH	WEIGHT (LBS)		
① ② ③	HS-24	17400	2PSIG	16	120/1/60	15X10X18	50	REFER TO ①②③④	
NOTES ① ② ③ ④	AS MANUFACTURED BY "STERLING".								
	② INSTALL PER MANUFACTURER'S RECOMMENDATIONS								
	③ 350 CFM @1350 RPM.								
	④ QUANTITIES AS IDENTIFIED ON HVAC DRAWINGS.								



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RESTORATION OF
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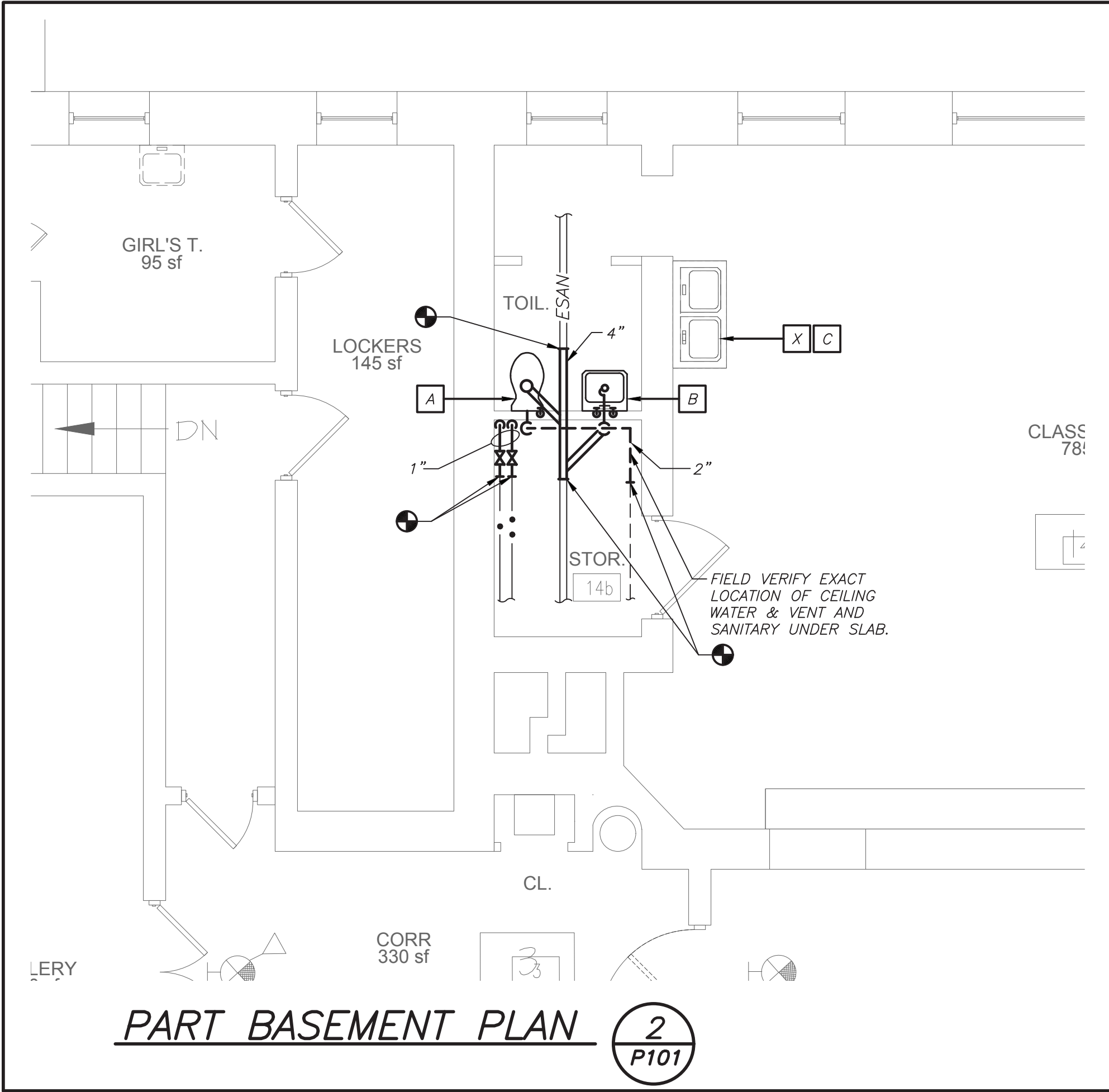
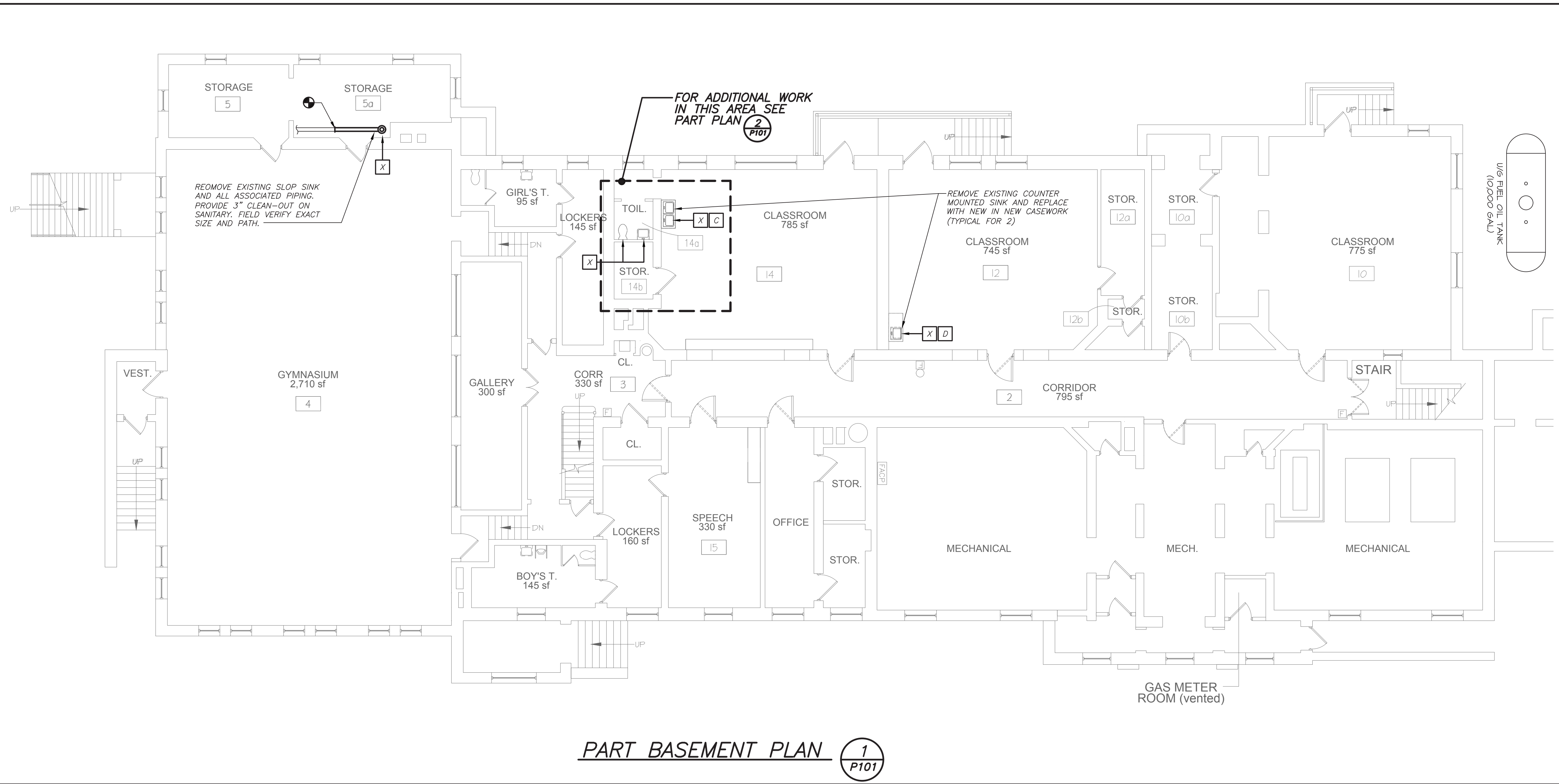
MECHANICAL ELECTRICAL CONSULTANT
MARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
90 HARBOR AVE, PLAINVILLE, NY 10970
PHONE: 914.250.0690 FAX: 914.250.0194 Email: mg@mgca.com

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SCALE: AS SHOWN DATE: 1/23/19
DRAWN BY: K.C. CHECKED BY: C.G.

DRAWING TITLE
SCHEDULES AND DETAILS

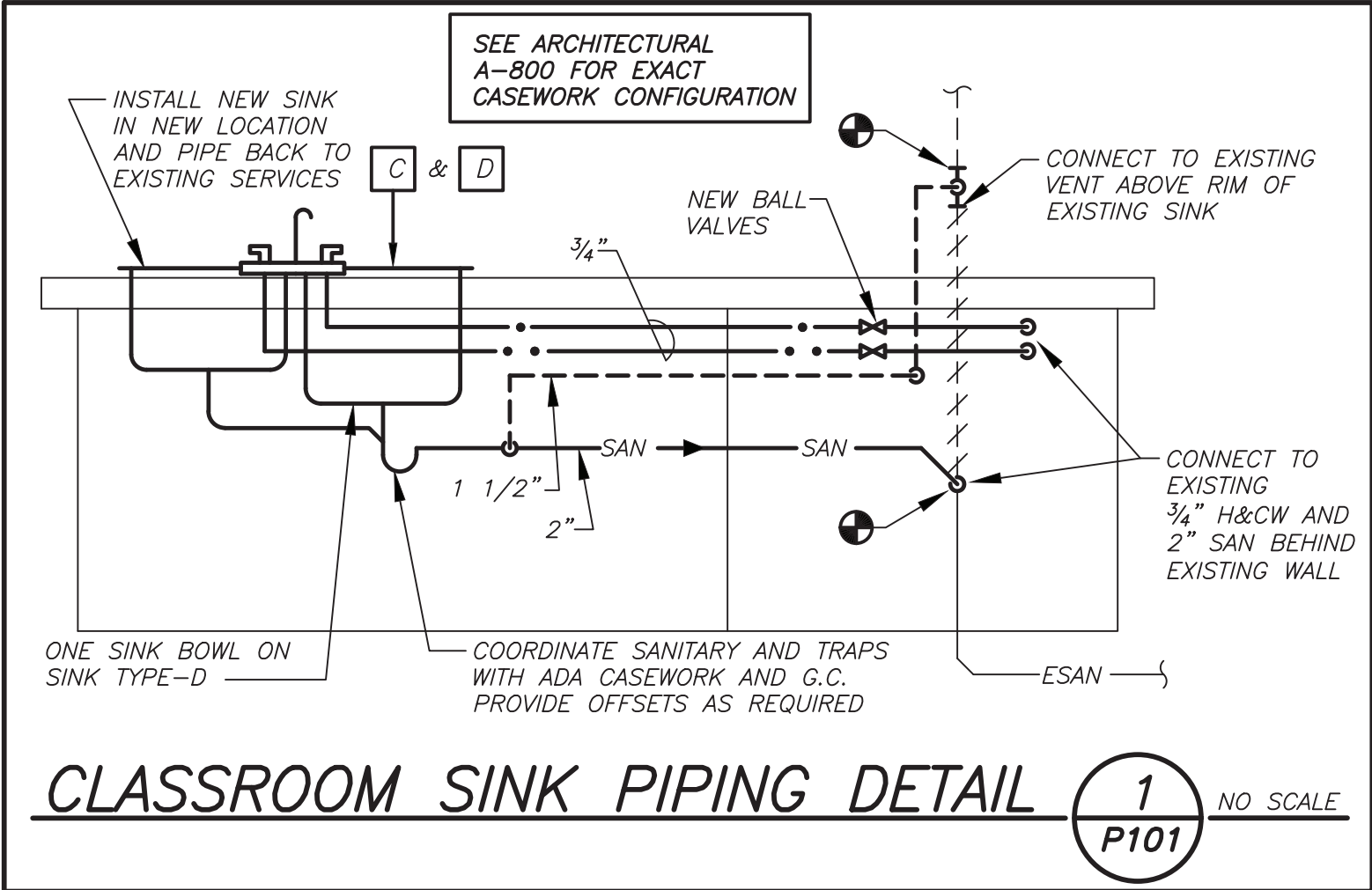
SHEET NO.
H102.00



LEGEND	
---	EXISTING PIPING, FIXTURES, ETC. TO REMAIN
---	NEW PIPING, FIXTURES, ETC.
---	COLD WATER PIPING
---	HOT WATER PIPING
---	HOT WATER RETURN PIPING
---	PLUMBING VENT PIPING
---	SANITARY PIPING (UNDERGROUND)
---	EXISTING SANITARY PIPING (UNDERGROUND)
---	EXISTING STORM (UNDERGROUND)
---	NATURAL GAS PIPING
---	EXISTING GAS PIPING
---	FLOW DIRECTION WITHIN PIPE
---	CLEANOUT
---	CLEANOUT DECK PLATE
---	SHUT-OFF VALVE
---	COMBINATION BALANCING & SHUT-OFF VALVE
---	CHECK VALVE
---	PIPE CONNS. (BOTTOM, TOP 45 OR 90; PIPE UP)
---	VENT THRU ROOF
---	FLOOR DRAIN
---	POINT OF CONNECTION
---	PART PLAN, DETAIL, SECTION NUMBER
---	DRAWING NUMBER
---	SECTION IDENTIFICATION

PLUMBING FIXTURE SCHEDULE				
MARK	DESCRIPTION	BRANCH SIZE		
		1/2"	3/4"	1"
A	FLOOR MOUNTED CHILDS WATER CLOSET	4"	2"	3/4"
B	COUNTER MOUNTED LAVATORY	2"	1-1/2"	1/2"
C	CLASSROOM COUNTERTOP SINK WITH DRINKING FOUNTAIN	2"	1-1/2"	1/2"
D	SINGLE BOWL STAINLESS STEEL CLASSROOM SINK	2"	1-1/2"	1/2"
R	EXISTING FIXTURE TO REMAIN	-	-	-
X	EXISTING FIXTURE TO BE REMOVED	-	-	-

REMOVAL NOTES	
1	REMOVE ALL PLUMBING FIXTURES, EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT.
2	WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED COMPLETELY TOGETHER WITH ALL CONNECTING PIPING, SPECIALTIES, SUPPORTS, CONTROLS, ETC. CONNECTING PIPING IS TO BE REMOVED BACK TO MAINS WHERE THEY ARE TO BE CAPPED OR DISCONNECTED. THIS INCLUDES ALL GAS, SANITARY, VENT, WATER, COMPRESSED AIR, ACID WASTE, VACUUM AND PUMP DISCHARGE PIPING. REFER TO DIVISION 1 OF SPECIFICATION FOR CUTTING AND PATCHING REQUIREMENTS.
3	WHERE EXISTING PIPING ENTERS INACCESSIBLE TRENCHES, TUNNELS, SHAFTS, WALLS AND CEILINGS INSIDE THE EXISTING BUILDING, IT SHALL BE CUT BACK AT LEAST 2" INTO SUCH INACCESSIBLE SPACES AND SHALL BE SUITABLY CAPPED AND SEALED BY THE CONTRACTOR.
4	THE CONTRACTOR SHALL EXERCISE NORMAL CAUTION TO PREVENT UNNECESSARY CUTTING AND DAMAGE TO THE EXISTING BUILDING. ANY EXCESSIVE DAMAGE AS DETERMINED BY THE OWNER SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR CAUSING THE DAMAGE.
5	ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND DISPOSED OF LEGALLY.



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YONKERS PROJECT NUMBER

10845

PROJECT NAME

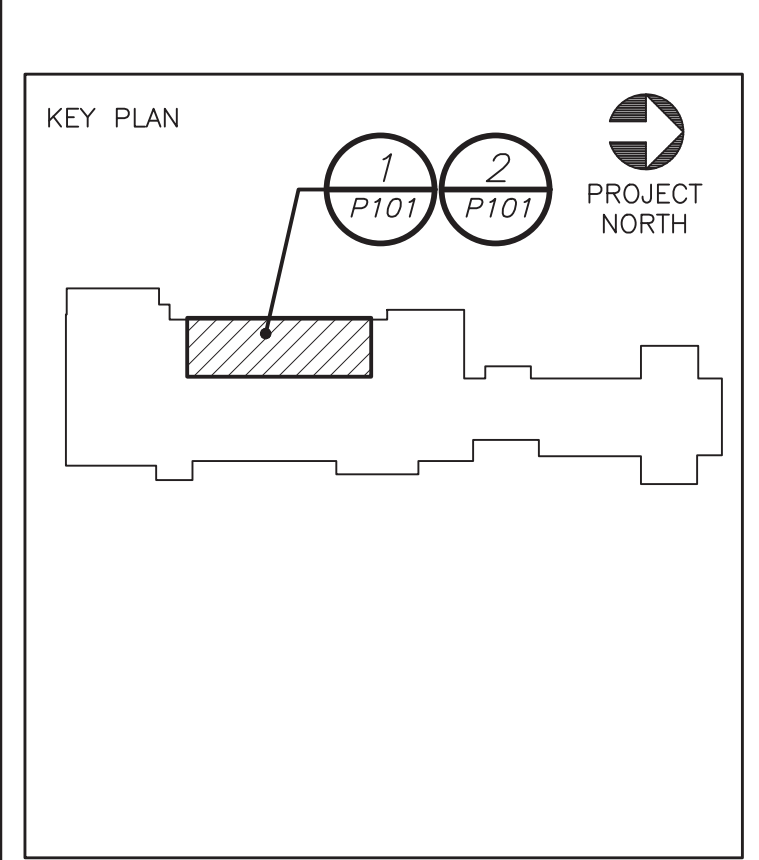
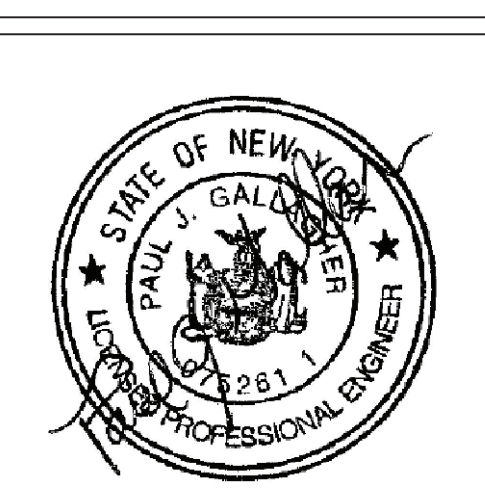
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DRAWING TITLE

LEGEND, PART BASEMENT PLANS SCHEDULE AND NOTES

SHEET NO.

P101.00

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3. WHERE PANELBOARDS, SWITCHES, CIRCUIT BREAKERS, ETC. ARE EXISTING AND TO BE REUSED THE CONTRACTOR SHALL CLEAN AND REFURBISH THE EQUIPMENT. THIS SHALL INCLUDE TIGHTENING ALL CONNECTIONS, REPLACING DEFECTIVE MECHANISMS AND PROVIDING ALL REQUIRED AND NECESSARY MISCELLANEOUS COMPONENTS SO THAT THE EQUIPMENT SHALL BE IN PERFECT WORKING ORDER.
4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER; NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
5. ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED. WHERE SHOWN WITH DASHED LINES WITH LETTER (E) IS EXISTING TO REMAIN, WITH LETTER (R) IS EXISTING TO BE REMOVED, WITH LETTER (ER) IS EXISTING RELOCATED, WITH LETTER (RN) IS EXISTING TO BE REPLACED WITH NEW AND WITH LETTER (RR) IS EXISTING TO BE REMOVED AND RELOCATED.
6. CIRCUIT NUMBERS TO EXISTING PANELS ARE SHOWN FOR INTENT ONLY. ACTUAL CIRCUIT NUMBERS TO BE USED SHALL BE AS PER FIELD CONDITIONS BY UTILIZING SPARE CIRCUITS, BREAKERS OR SPACES IN EXISTING PANEL. SIZE AS INDICATED ON THE PLANS. THE ELECTRICAL CONTRACTOR SHALL BALANCE LOAD OF CIRCUITS EVENLY ON ALL PHASES.
7. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN MINIMUM 3/4" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"). IN UNFINISHED AREAS CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
8. PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW AND EXISTING PANELS BEING USED FOR THIS PROJECT.
9. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
10. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.
11. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'-0".
12. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
13. WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.
14. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
15. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
16. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
- THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
17. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
18. THE ELECTRICAL CONTRACTOR SHALL CONFIRM THE CONFIGURATION TYPE FOR ALL SPECIAL RECEPTACLES FOR COPIERS, DATA PROCESSING EQUIPMENT, ETC. WITH OWNER AND ENGINEER PRIOR TO ORDERING.
19. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
20. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
21. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
22. MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.
23. ALL LIGHTING FIXTURES UTILIZING ELECTRONIC BALLASTS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED.
24. ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR.
25. ALL EMERGENCY LIGHT FIXTURES DESIGNATED 'EM' SHALL BE SWITCHED PROVIDE UNSWITCHED HOT LEG FOR BATTERY CHARGER REGARDLESS OF FUNCTION. ALL EMERGENCY FIXTURES SHALL REVERT TO BATTERY OPERATION UPON INTERRUPTION OF NORMAL POWER AND ILLUMINATE REGARDLESS OF LIGHT SWITCH POSITION.
26. PRIOR TO ANY CHASING, CHOPPING, PATCHING OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE ALL WORK TO ENSURE THAT IT WILL BE IN HARMONY AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING OWNER PRIOR TO PROCEEDING.
27. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).
28. ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK.
29. PREPARE 'AS-BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWINGS.
30. LIGHT FIXTURES SHALL BE CONSTRUCTED TO SUIT PARTICULAR TYPE OF CEILING AND WALL CONSTRUCTION AND SHALL BE PROVIDED WITH APPROPRIATE TRIMS, MOUNTING FRAMES AND ADAPTERS AS REQUIRED.
31. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.

GENERAL REMOVAL NOTES

1. BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.
2. BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.
3. ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
A. LIGHTING FIXTURES AND SWITCHES.
B. CIRCUIT BREAKERS AND DISCONNECT SWITCHES.
C. RECEPTACLES, OUTLETS AND DEVICES.
4. ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.
5. ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6. CIRCUIT BREAKERS AND/OR SWITCHES IN PANELBOARD(S) OR DISTRIBUTION BOARD(S) MADE SPARE DUE TO REMOVAL SHALL BE DESIGNATED AS SUCH ON THE PANEL SCHEDULE.
7. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
8. DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL, CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.
9. EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE-USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.
10. EXTEND EXISTING CIRCUITRY TO THOSE DEVICES THAT ARE TO BE RELOCATED. MATCH EXISTING TYPE AND SIZE. RELOCATION OF EXISTING EQUIPMENT SHALL BE PERFORMED ONLY UPON OWNERS ACCEPTANCE OF EXISTING EQUIPMENT.

DISPOSAL OF MERCURY CONTAINING LAMPS

1. ALL FLUORESCENT AND HID LAMPS WITHIN REMOVED LIGHT FIXTURES ARE CONSIDERED MERCURY CONTAINING AND SHALL BE TREATED AS HAZARDOUS MATERIAL.
2. FLUORESCENT AND HID LAMPS SHALL BE REMOVED FROM DEMOLISHED LIGHT FIXTURES AND DISPOSED OF AS PER NEW YORK STATE DEC REGULATIONS AND METHODS.
3. LAMPS MUST BE BAGGED IN NON-LEACHING PLASTIC BAGS AND SEALED TO PREVENT LEAKING.
4. EACH LAMP OR BAGGED CONTAINER IN WHICH THESE LAMPS ARE CONTAINED MUST BE LABELED OR MARKED CLEARLY WITH ONE OF THE FOLLOWING PHRASES: UNIVERSAL WASTE LAMPS, OR WASTE LAMPS, OR USED LAMPS
5. THESE MARKED BAGS MUST BE DELIVERED TO THE PROPER NEW YORK STATE D.E.C. AUTHORIZED LANDFILL OR RECYCLE CENTERS.

ABBREVIATIONS

ABBV.	DESCRIPTION
A	AMP/AMPERE
AC	AIR CONDITIONING UNIT
CU	CONDENSING UNIT
CP	CONDENSATE PUMP
(E)	EXISTING TO REMAIN
EM	EMERGENCY
(ER)	EXISTING RELOCATED
EXIST.	EXISTING
F.A.C.P.	FIRE ALARM CONTROL PANEL
F.B.O	FURNISHED BY OTHERS
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
N	NEUTRAL
NTS	NOT TO SCALE
PNL	PANEL
(R)	REMOVE EXISTING
(RN)	REPLACE EXISTING W/NEW
(RR)	REMOVED, SALVAGED AND RELOCATED
UV	UNIT VENTILATOR
W	WATT
WP	WEATHERPROOF

LEGEND

	2'x4' LED CEILING MOUNTED LIGHT FIXTURE. UPPER CASE LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
	2'x4' CEILING MOUNTED LED LIGHT FIXTURE FOR EMERGENCY OPERATION. 'EM' INDICATES SWITCHED EMERGENCY FIXTURE, 'EM/NL--UNSWITCHED EMERGENCY/NIGHT FIXTURE (TYP.).
	2'x2' LED CEILING MOUNTED FIXTURE. CAPITAL LETTER INDICATES TYPE, LOWER CASE LETTER INDICATES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
	2'x2' CEILING MOUNTED LED LIGHT FIXTURE FOR EMERGENCY OPERATION WITH INTEGRAL BATTERY BACK-UP, TEST BUTTON AND L.E.D.
	WALL MOUNTED LED LIGHT FIXTURE FOR EMERGENCY OPERATION WITH INTEGRAL BATTERY BACK-UP, TEST BUTTON AND L.E.D.
	CEILING/WALL MOUNTED EXIT LIGHT WITH OUTLET BOX. DIRECTIONAL ARROWS SHADED PORTION INDICATES ILLUMINATED FACE. SCHEDULE DENOTES TYPE.
	FLUSH WALL MOUNTED LIGHTING CONTROL SWITCH CONTROLLING OUTLET "O," "K" WHERE USED INDICATES KEY SWITCH. "3" INDICATES 3-WAY SWITCH; "4" INDICATES 4-WAY SWITCH. MODEL # WATTSTOPPER LVS-1K-G
	CEILING MOUNTED LOW VOLTAGE ULTRASONIC SENSOR, SIMILAR TO WATTSTOPPER MODEL# WT-2250, WITH LONG CORRIDOR COVERAGE PATTERN, INCLUDE POWER PACKS. MANUAL ON, AUTO OFF. WORK WITH LOCAL KEY SWITCHES.
	TORK 2001 OUTDOOR PHOTOCCELL
	NETWORK DIGITAL ROOM CONTROLLER FOR LIGHTING CONTROL. SIMILAR TO WATTSTOPPER MODEL LMRC-213. HOT WIRE TO LOAD, CAT 5 WIRE CONNECTIONS TO CONTROL DEVICES. RC# DENOTES LMRC-21#\"/>
	NETWORK DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL LMDC-100. WORKS WITH DIGITAL ROOM CONTROLLER.
	NETWORK DIGITAL CEILING MOUNTED SINGLE ZONE PHOTO SENSOR. SINGLE ZONE PHOTO SENSOR. SIMILAR TO WATT STOPPER MODEL LMLS-400. WORKS WITH ROOM CONTROLLER.
	NETWORK DIGITAL FLUSH MOUNTED PRESET WALL STATIONS, SIMILAR TO WATTSTOPPER MODEL LMSW-102. WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING. "WS#\"/>
	HOMERUN TO DESIGNATED PANEL, ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12-3/4\"/>
	HOMERUN TO DESIGNATED PANEL, NUMBERS IN PARENTHESIS INDICATE MULTIPLE CIRCUIT, I.E. 3--HOTS AND 1--GROUND U.O.N.
	125V-2P-3W-20A GROUNDED TYPE, SPECIFICATION GRADE WALL MOUNTED DUPLEX RECEPTACLE HUBBELL #5362.
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #6FS362.
	FLUSH WALL MOUNTED DATA OUTLET CONSISTING OF (2) PORT STAINLESS STEEL COVER PLATE WITH LABEL WINDOW AND 1 1/4\"/>
	SURFACE MOUNTED CALL IN BUTTON.
	VOICE ATTENUATOR
	INTERIOR WALL MOUNTED P.A. SPEAKER
	EXTERIOR WALL MOUNTED P.A. HORN. TELECORE A-151
	ADMINISTRATIVE PHONE.
	SURFACE MOUNTED EXISTING ELECTRICAL PANELBOARD.
	HEAVY DUTY TYPE DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. #40 INDICATES VOLTAGE. 3 INDICATES NO. OF POLES. 80 INDICATES AMPERE RATING, "NF" INDICATES NON-FUSED/OR FUSE SIZE) U.O.N. REFER TO SPECIFICATION AND DRAWINGS FOR ENCLOSURE. "WP" WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
	THERMAL SWITCH, CUTLER-HAMMER MS SERIES MANUAL STARTERS SINGLE-PHASE 20AMP, 120V U.O.N. WHERE INDICATED WITH "WP" PROVIDE WATERTIGHT ENCLOSURE TYPE 3.
	208 VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
	MOTOR (F.B.O. WIRED BY ELEC.) - NUMBER INDICATES HORSEPOWER. REFER TO PANEL SCHEDULES FOR WIRING AND OVER CURRENT PROTECTION.
	FIRE ALARM CONTROL PANEL.
	WALL MOUNTED FIRE ALARM MANUAL PULL STATION
	WALL MOUNTED FIRE ALARM BELL DEVICE.
	DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR WITH (REMOTE) CONTROL RELAY MODULE FOR FAN SHUT DOWN. RELAY MODULE TO BE MOUNTED ADJACENT TO MECHANICAL EQUIPMENT. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT/STARTERS DO NOT HAVE A SET OF DRY CONTACTS TO TIE-IN FOR FAN SHUTDOWN.
	SURFACE MOUNTED WIREMOLD V700 FOR EITHER RECEPTACLE OR COMMUNICATION WIRING. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
	SURFACE MOUNTED WIREMOLD SERIES 4000 CONTAINING RECEPTACLE CIRCUITS AND COMMUNICATION WIRING. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
	TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.
MECHANICAL EQUIPMENT IDENTIFICATION:	
	EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.) EQUIPMENT NUMBER
DETAIL/PART PLAN NUMBER IDENTIFICATION:	
	DETAIL/PART PLAN NUMBER DRAWING NUMBER

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YONKERS PROJECT NUMBER

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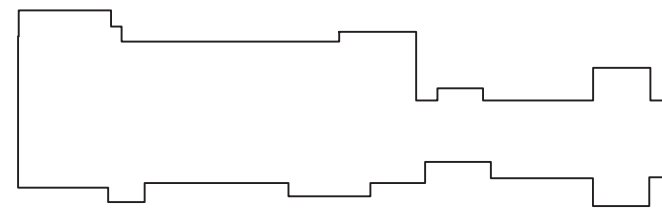
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KEY PLAN





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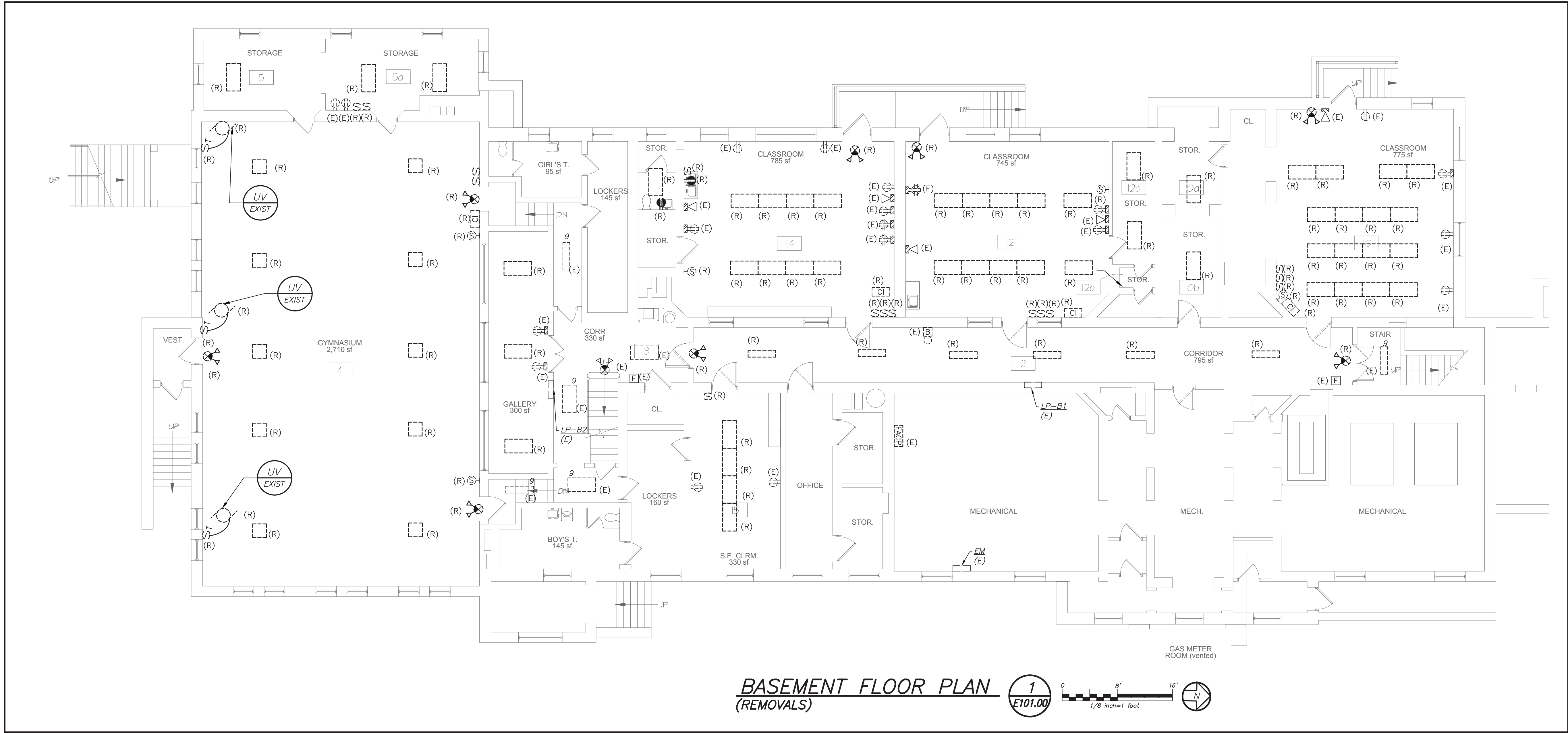
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DRAWING TITLE

LEGENDS,
ABBREVIATIONS AND
GENERAL NOTES

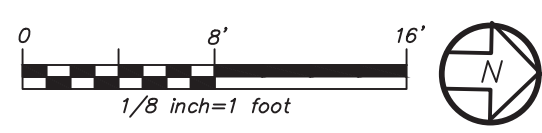
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BASEMENT FLOOR PLAN
(REMOVALS)

1
E101.00



GENERAL NOTES:

1. REMOVE ALL ELECTRICAL DEVICES AS SHOWN IN ITS ENTIRETY BACK TO SOURCE . UNLESS THERE ARE EXISTING DEVICES REMAINING ON CIRCUIT, THEN EC SHALL MAINTAIN CONTINUITY.
2. REMOVE EXISTING PUBLIC ADDRESS SYSTEM IN ITS ENTIRETY INCLUDING WIRING AND CONDUITS BACK TO SOURCE.
3. ALL CUTTING AND PATCHING WORK DONE BY THE REMOVAL OF EXISTING PA DEVICES SHALL BE DONE BY ELECTRICAL CONTRACTOR.

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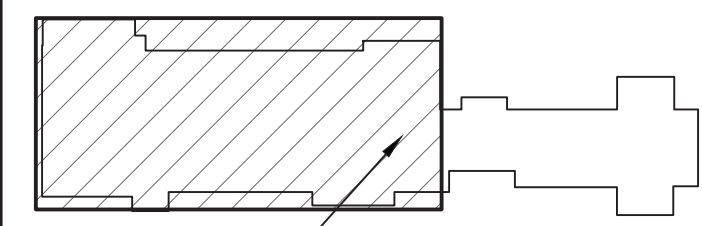
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**RESTORATION OF
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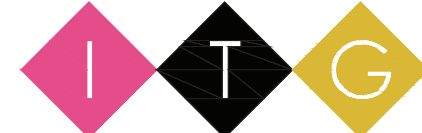
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DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE

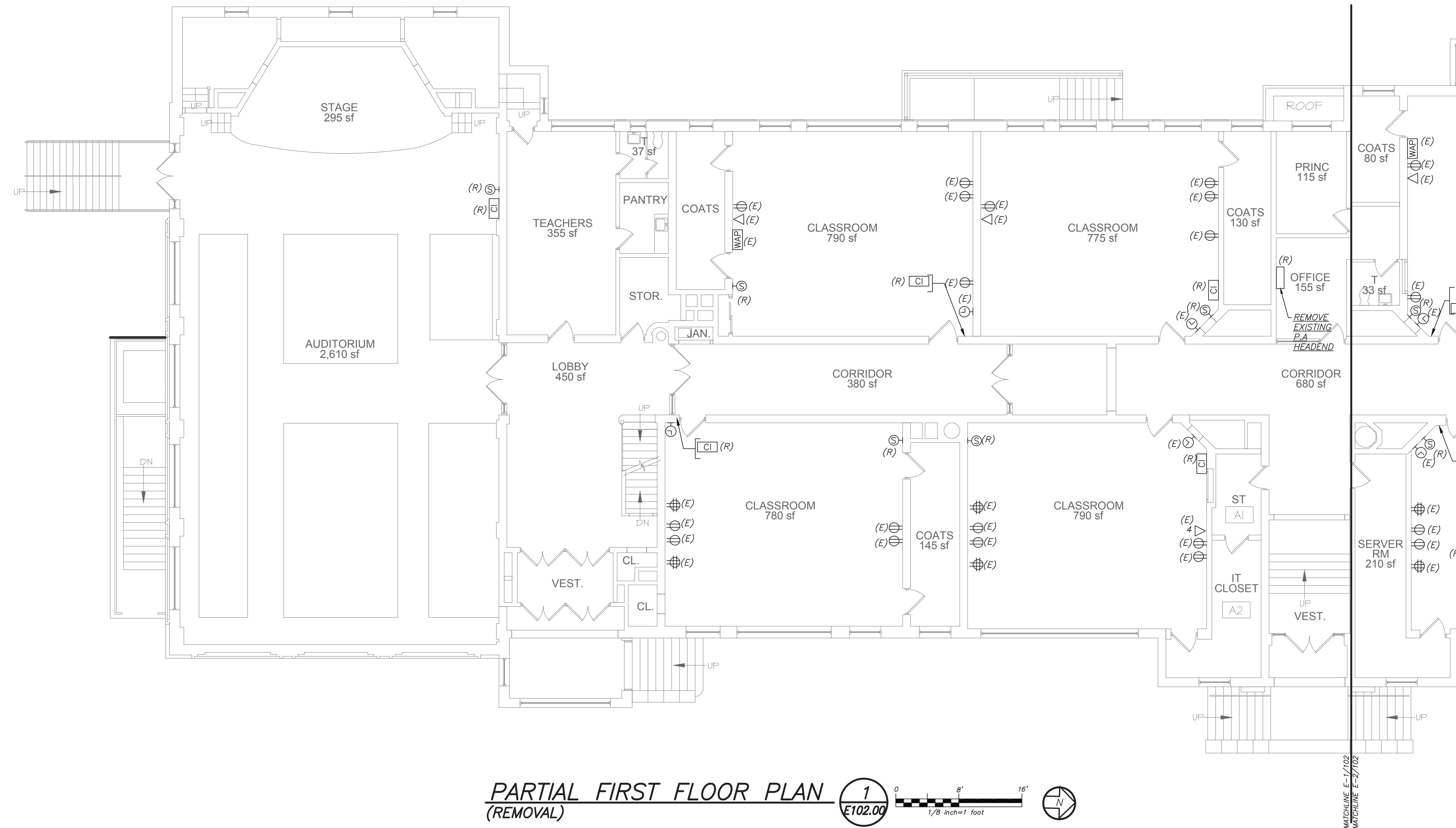
**BASEMENT AND FIRST
FLOOR ELECTRICAL
REMOVALS PLAN**

SHEET NO.

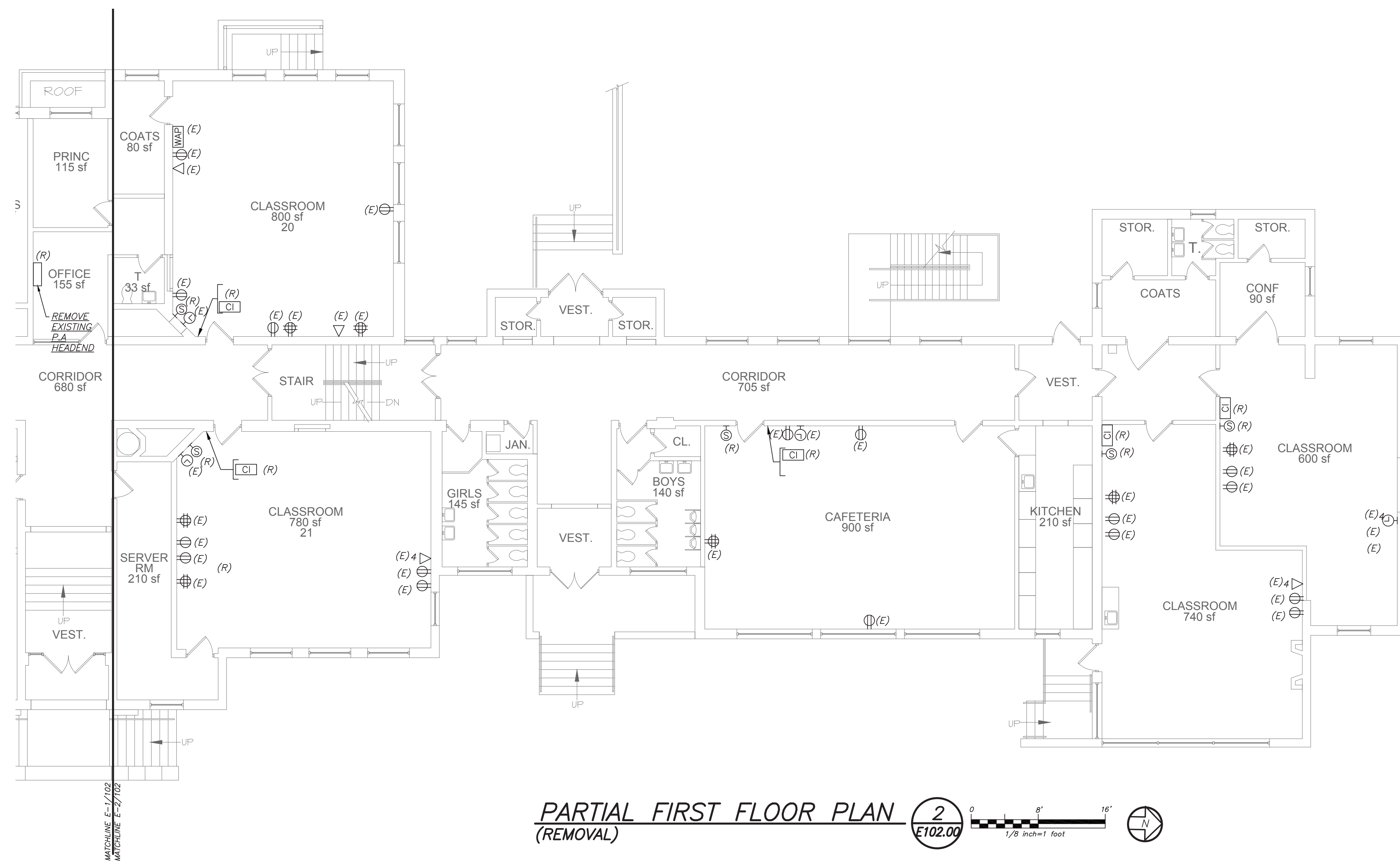
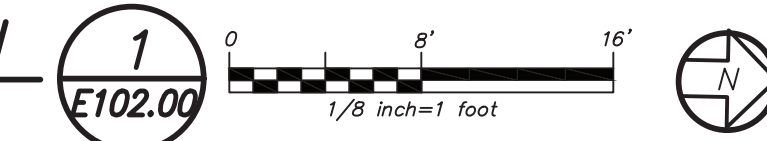
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REMOVAL NOTES:

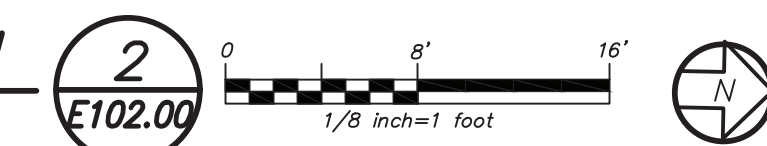
1. REMOVE EXISTING PUBLIC ADDRESS SYSTEM IN ITS ENTIRETY INCLUDING WIRING AND CONDUIT BACK TO ITS SOURCE.
2. ALL CUTTING AND PATCHING WORK DONE BY THE REMOVAL OF EXISTING PA DEVICES SHALL BE DONE BY ELECTRICAL CONTRACTOR.



**PARTIAL FIRST FLOOR PLAN
(REMOVAL)**



**PARTIAL FIRST FLOOR PLAN
(REMOVAL)**



66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

PROJECT NAME

**YONKERS
PUBLIC SCHOOLS**

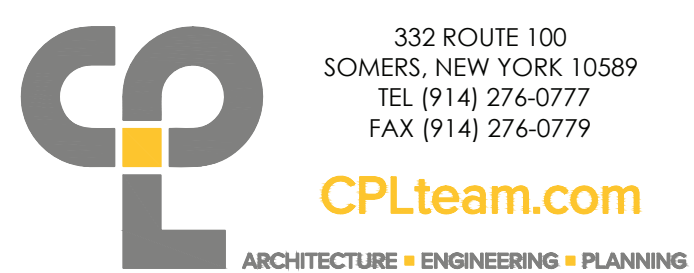
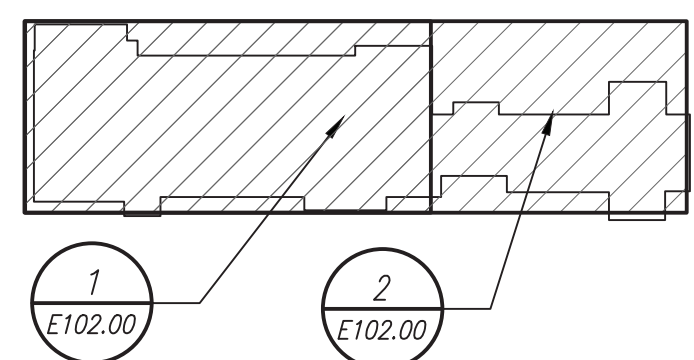
PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

**RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE**



KEY PLAN

PROJECT
NORTH

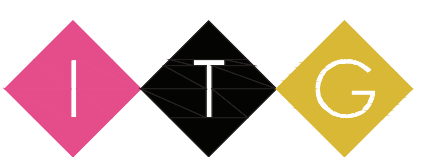


CONSULTANTS

CIVIL ENGINEER CONSULTANT



SECURITY CONSULTANT

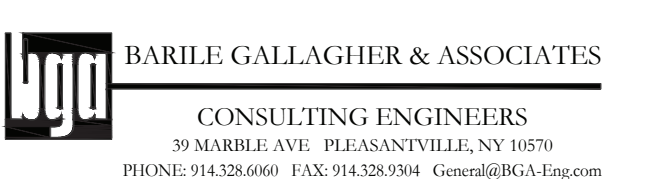


155 Lafayette Ave, White Plains, NY 10603

ENVIRONMENTAL CONSULTANT

ADELAIDE ENVIRONMENTAL HEALTH ASSOC.
1311 RT. 22, BREWSTER, NY 10509
TEL. 845.278.7710

MECHANICAL ELECTRICAL CONSULTANT



REV. NO.	DATE	DESCRIPTION
01/23/19	01/23/19	SED FOR BUILDING PERMIT
09/15/19	09/15/19	ISSUED FOR BID
11/16/20	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN	DATE: 1/23/19
DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE

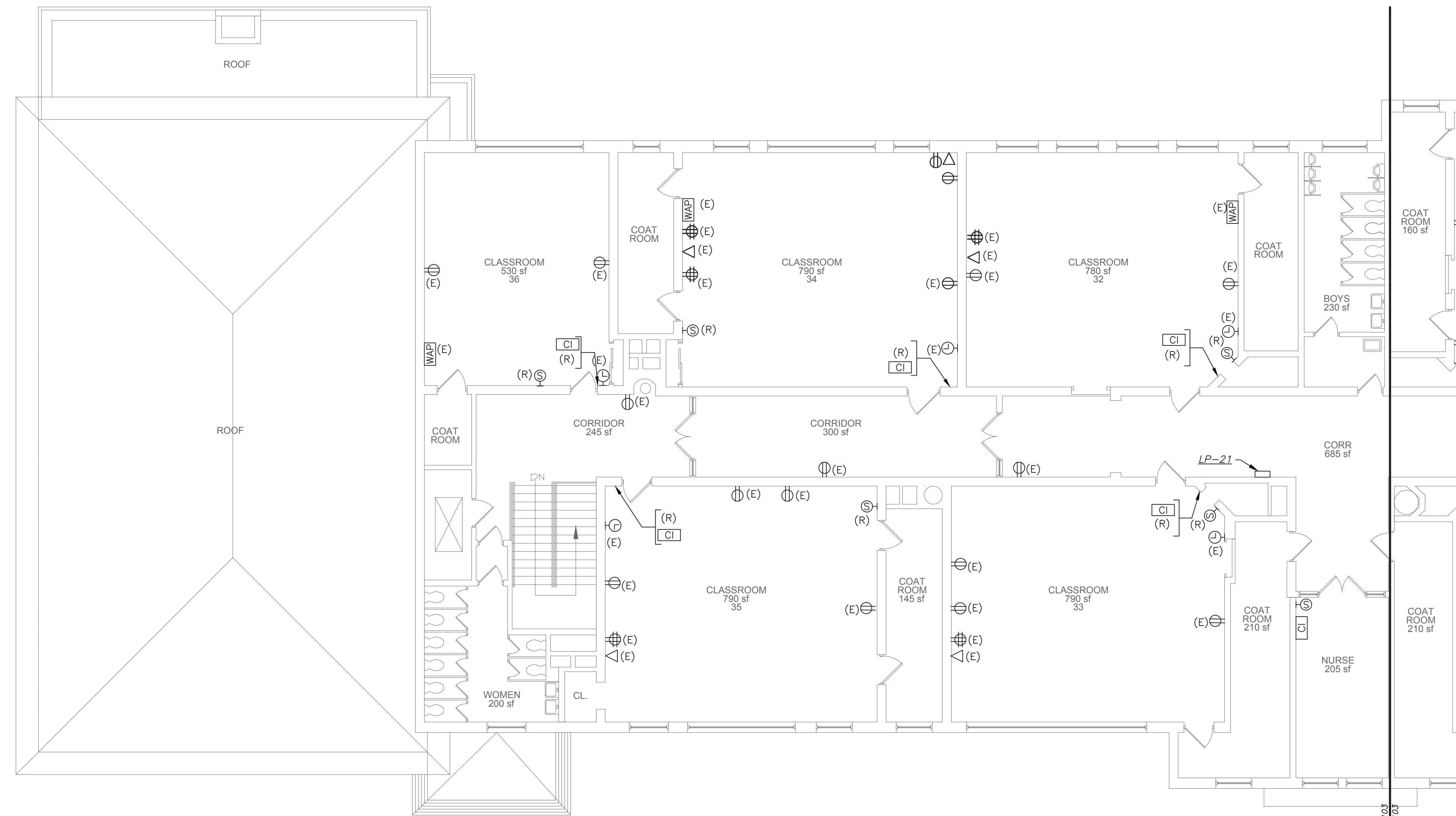
**FIRST FLOOR
REMOVAL
PLAN**

SHEET NO.

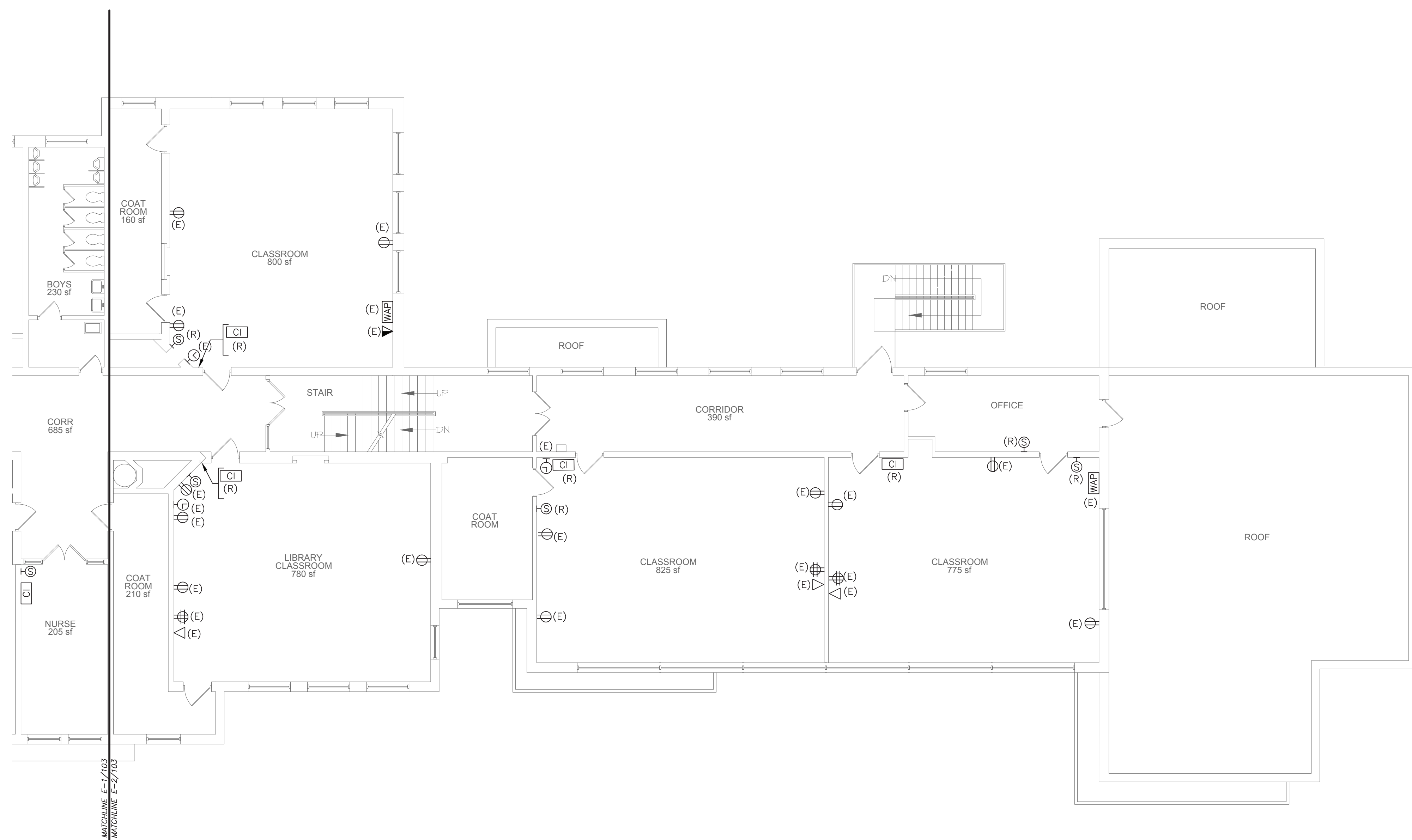
E102.00

REMOVAL NOTES:

1. REMOVE EXISTING PUBLIC ADDRESS SYSTEM IN ITS ENTIRETY INCLUDING WIRING AND CONDUIT BACK TO ITS SOURCE.



PARTIAL SECOND FLOOR PLAN
(REMOVAL)



PARTIAL SECOND FLOOR PLAN
(REMOVAL)



66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

PROJECT NAME

**YONKERS
PUBLIC SCHOOLS**

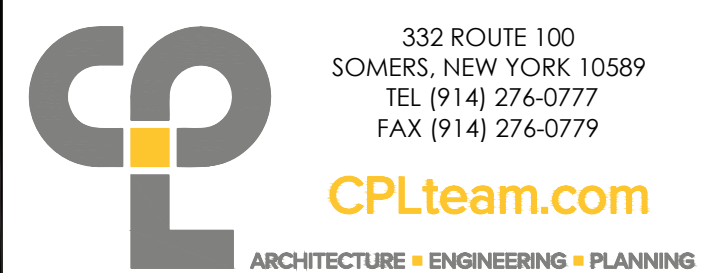
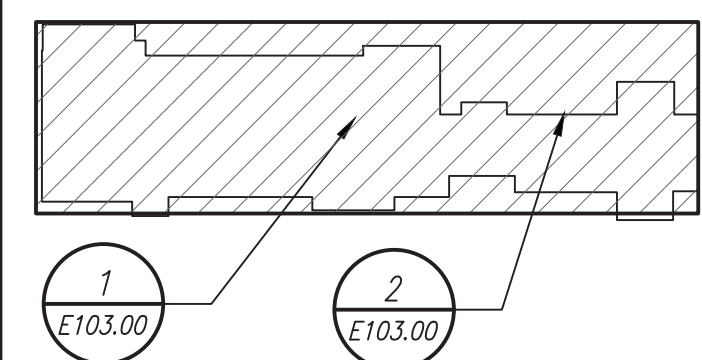
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YONKERS, NY 10701

**RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE**



KEY PLAN

PROJECT
NORTH



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MECHANICAL ELECTRICAL CONSULTANT



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SCALE: AS SHOWN	DATE: 1/23/19
DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE

**SECOND FLOOR
REMOVAL PLAN**

SHEET NO.

E103.00

66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

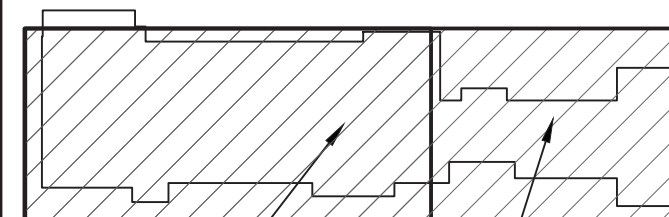
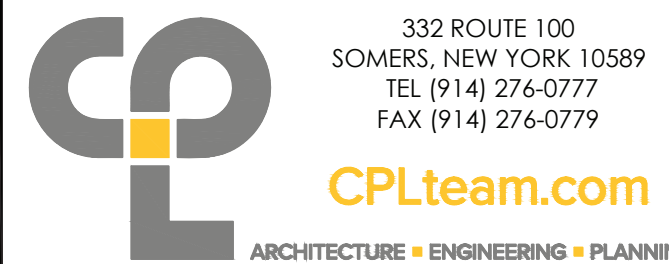
PROJECT NAME

YONKERS
PUBLIC SCHOOLS

PS 16 - YONKERS

759 NORTH BROADWAY
YONKERS, NY 10701RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE

KEY PLAN

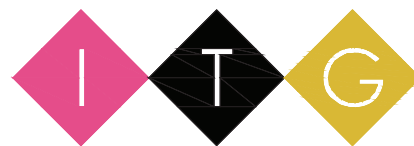
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E201.00

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ADELAIDE ENVIRONMENTAL HEALTH ASSOC.
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MECHANICAL ELECTRICAL CONSULTANT



MARILEE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS

99 MARBLE AVE. PLEASANTVILLE, NY 10570
PHONE: 914.261.0999 FAX: 914.261.0994 Email: MGA@MGA-Eng.com

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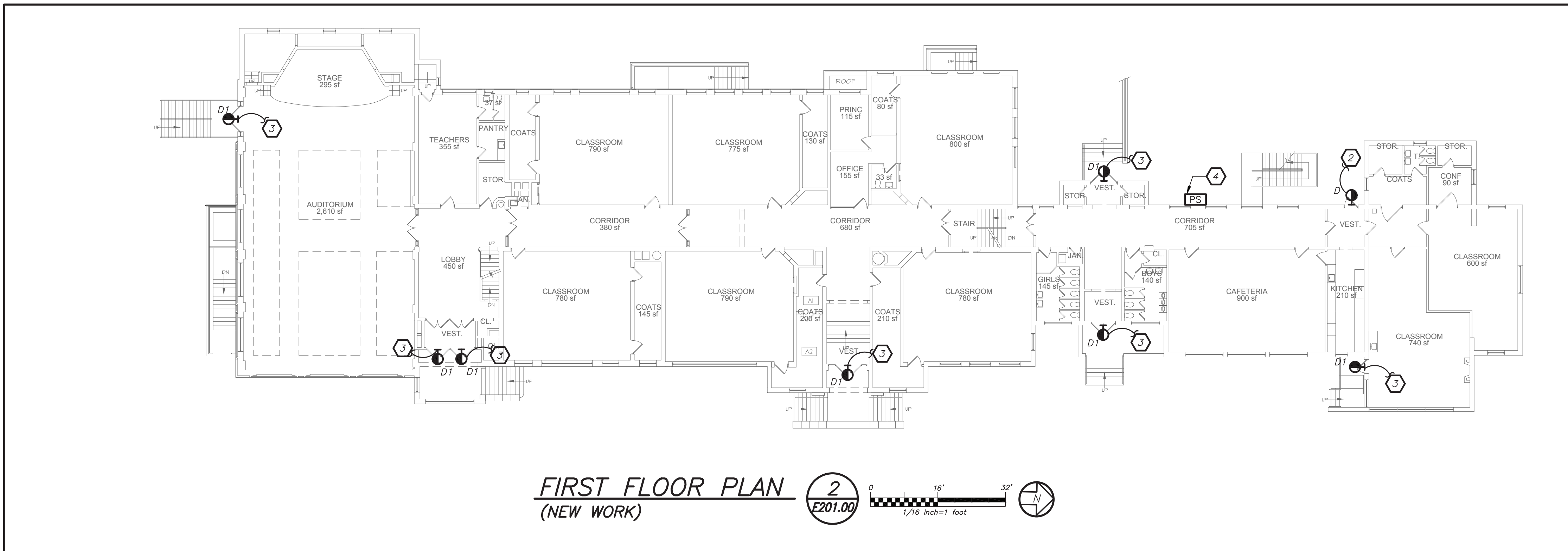
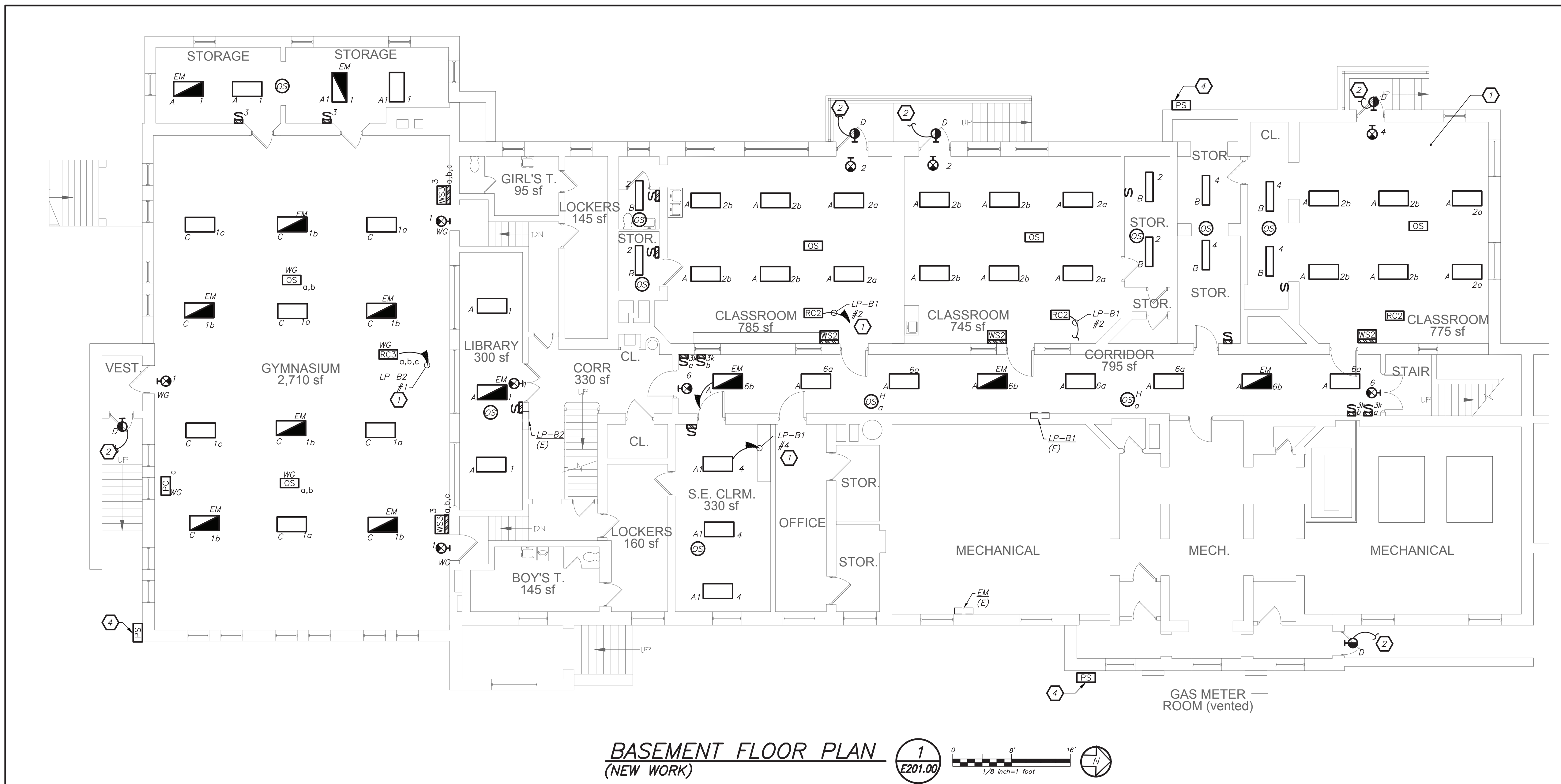
SCALE: AS SHOWN
DRAWN BY: K.C.
DATE: 1/23/19
CHECKED BY: C.G.

DRAWING TITLE

BASEMENT AND FIRST
FLOOR ELECTRICAL
LIGHTING PLAN

SHEET NO.

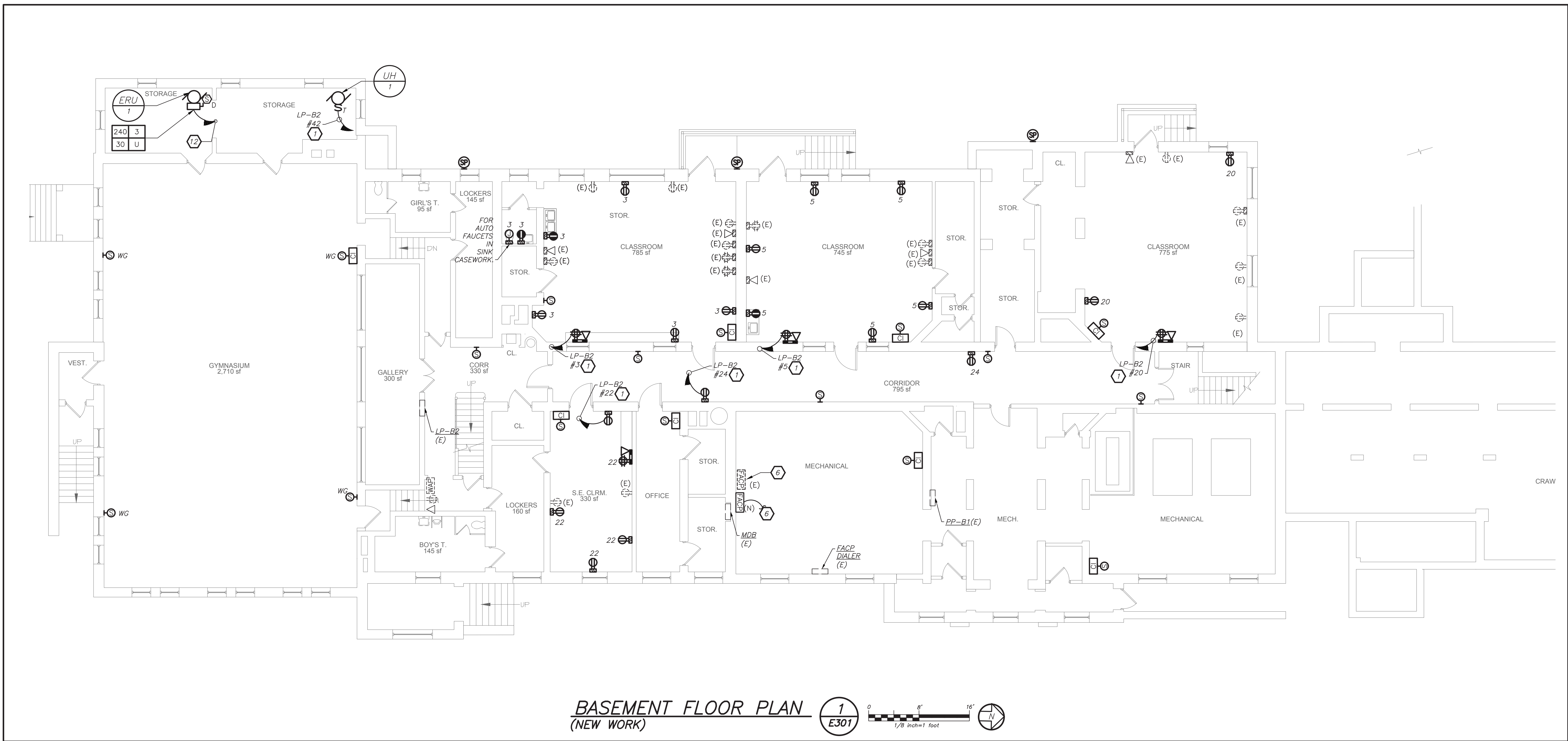
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**GENERAL NOTES:**

1. ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL NEW LIGHT FIXTURES WITH EXISTING PLUMBING AND MECHANICAL WORK.

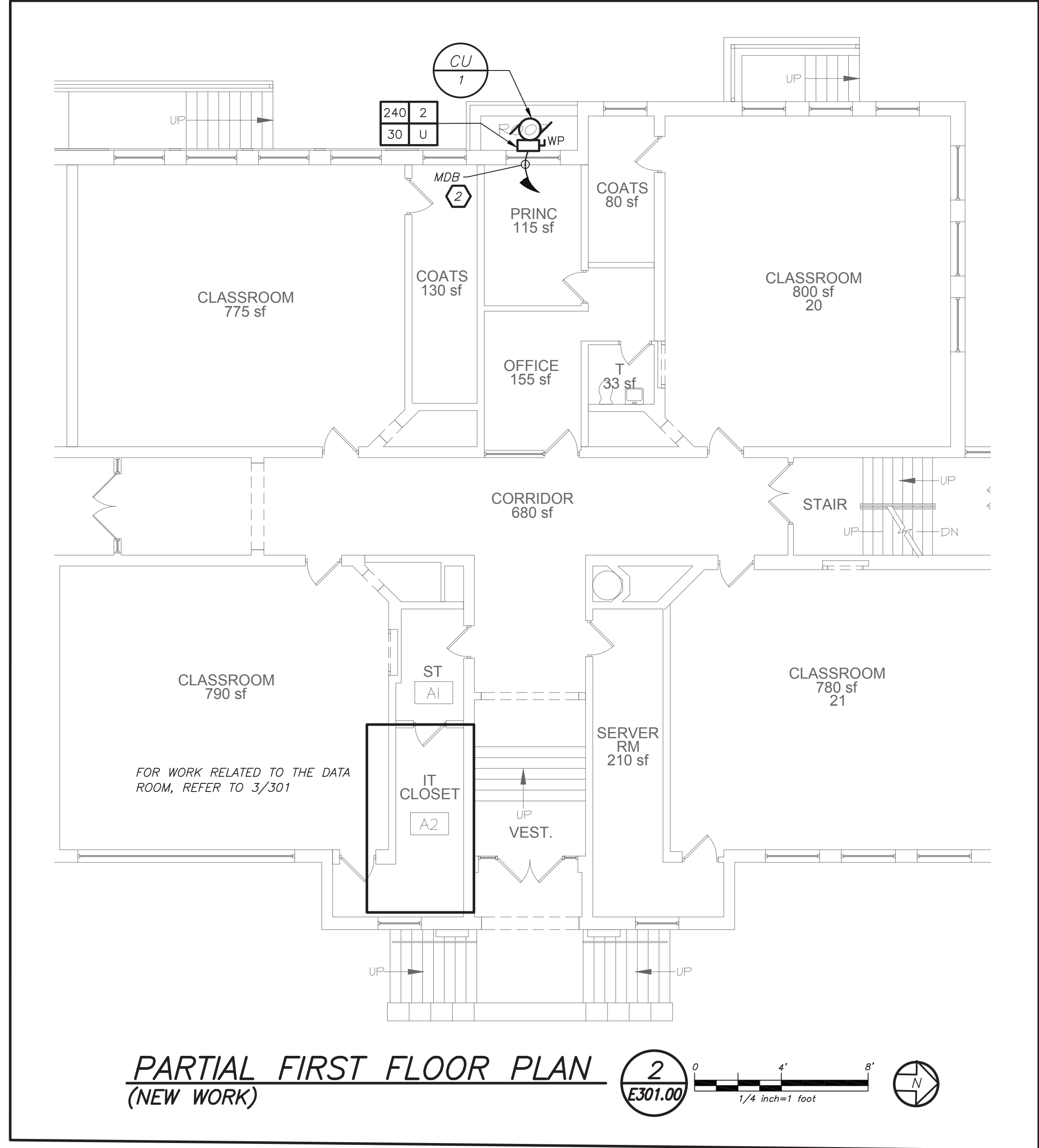
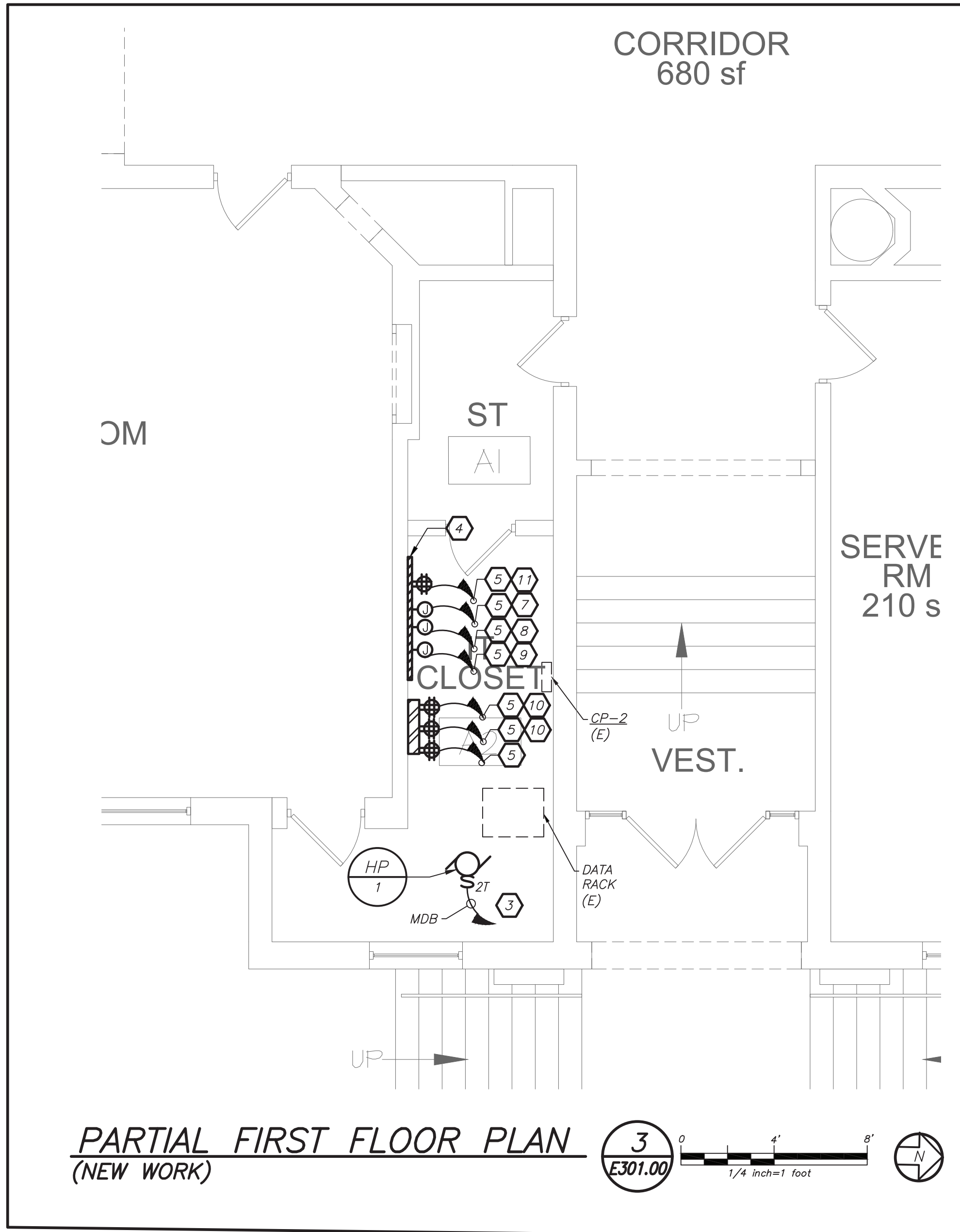
WORK NOTES:

1. CIRCUIT NUMBER FOR CONTRACTOR GUIDANCE ONLY, WIRE FIXTURES TO CIRCUIT MADE SPARE BY DEMOLITION WORK.
2. WIRE EXTERIOR EMERGENCY FIXTURE TO NEAREST LIGHTING CIRCUIT INSIDE THE BUILDING AHEAD OF ANY SWITCHING. LIGHT FIXTURE SHALL BE CONTROLLED VIA PHOTOCELL MOUNTED ON THE SAME SIDE OF THE BUILDING. ALL TIME CLOCKS SHALL BE ABANDONED/BYPASSED.
3. WIRE EXTERIOR EMERGENCY FIXTURE TO NEAREST LIGHTING CIRCUIT INSIDE THE BUILDING AHEAD OF ANY SWITCHING. LIGHT FIXTURE SHALL BE CONTROLLED VIA INTEGRAL PHOTOCELL. ALL TIME CLOCKS SHALL BE ABANDONED/BYPASSED.
4. PROVIDE TORK 2001 SERIES PHOTOCELL WHICH IS TO BE MOUNTED IN BUILDING WALL TO OPERATE EXTERIOR EMERGENCY LIGHTING.



- WORK NOTES:**
1. PROVIDE 2#12+1#12G IN 3/4" TO THE PANEL AND CIRCUIT AS INDICATED. PROVIDE A 1P-20 BREAKER AT THE PANEL.
 2. PROVIDE 2#10+1#10G IN 3/4" TO THE MDB SPACE AS INDICATED. PROVIDE 2P-30 AMP BREAKER AT PANEL AS INDICATED.
 3. PROVIDE 2#12+1#12G IN 3/4" TO MDB SPACE AS INDICATED. PROVIDE 2P-20 AMP BREAKER AT PANEL.
 4. PROVIDE NEW 8"X4"X3/4" PLYWOOD PAINTED BLACK WITH FIRE RETARDANT PAINT. COORDINATE THE EXACT LOCATION WITH OWNER, ARCHITECT AND ITG BEFORE THE START OF ANY WORK.
 5. PROVIDE 2#12+1#12G IN 3/4" CONDUIT TO SPARE CIRCUIT IN PANEL CP-2 FOR ITG EQUIPMENT. REFER TO SE DRAWING SERIES FOR MORE DETAILS.
 6. FIRE ALARM CONTROL PANEL SIEMENS CERBERUS PRO FCO-924 SYSTEM, SHALL INTERFACE WITH EXISTING FACP TO RECEIVE ALARM AND TROUBLE. EXISTING DIALER SHALL BE CONNECTED TO NEW FACP.
 7. PROVIDE JUNCTION BOX FOR LOCK P/S. REFER TO ITG LARSON DRAWING SE-300.
 8. PROVIDE JUNCTION BOX FOR APS P/S. REFER TO ITG LARSON DRAWING SE-300.
 9. PROVIDE QUAD RECEPTACLE ON PLYWOOD BOARD, REFER TO ITG LARSON DRAWING SE-300 DETAILS FOR ADDITIONAL INFORMATION.
 10. PROVIDE FOR CCTV DATA RACK. COORDINATE WITH SECURITY VENDOR AND OWNER. REFER TO ITG LARSON DRAWING SE-300.
 11. THIS CONTRACTOR IS RESPONSIBLE FOR ALL LOW VOLTAGE WIRING INTERCONNECTION FOR IT AND SECURITY FROM ALL DEVICES TO PATCH PANEL INCLUDING JUMPER CABLE INTERCONNECTION TO SWITCHES. THE SCOPE OF WORK INCLUDES AND NOT LIMITED TO DEVICE INSTALLATION, SUPPORT BRACKETS, JUNCTION BOXES, WIRING SUPPORTS, LABELING, TAGGING, ETC. REFER TO ITG LARSON DRAWING SERIES 'SE' FOR ALL REQUIREMENTS INCLUDED IN THIS CONTRACTORS SCOPE.
 12. PROVIDE 3#8+1#10G IN 3/4" CONDUIT TO THE MDB SPACE AS INDICATED. PROVIDE A 3P-30AMP BREAKER AT THE PANEL.

- NEW PUBLIC ADDRESS SYSTEM:**
1. PROVIDE SURFACE MOUNTED SPEAKERS AND CALL-IN BUTTONS IN THE CLASSROOMS AND CORRIDORS AS SHOWN.
 2. ALL CALL IN BUTTONS SHALL BE MOUNTED 48" AFF TO THE BOTTOM OF ENCLOSURE. WHERE THERE IS WOOD TRIM, DEVICES SHALL BE MOUNTED 1" ABOVE WOOD TRIM. CALL IN DEVICES SHALL NOT BE MOUNTED MORE THEN 51" AFF TO THE BOTTOM OF ENCLOSURE. IF THERE ARE ANY CONFLICTS, CONTRACTOR SHALL COORDINATE WITH ARCHITECT/ENGINEER BEFORE THE START OF ANY WORK.
 3. ALL SPEAKERS SHALL BE MOUNTED 8'-0" AFF TO THE BOTTOM OF ENCLOSURE FOR CLASSROOMS AND BASEMENT CORRIDORS. ALL CORRIDORS ON THE FIRST AND SECOND FLOOR SPEAKERS SHALL BE MOUNTED AT 9'-0" AFF UNLESS DIRECTED OTHERWISE BY ARCHITECT/OWNER. FINAL COORDINATION SHALL BE DONE WITH ARCHITECT/OWNER BEFORE THE START OF ANY WORK.
 4. ALL LOW VOLTAGE PUBLIC ADDRESS WIRING SHALL BE ROUTED IN WIREMOLD SIMILAR TO 700 SERIES.
 5. ALL CUTTING AND PATCHING FOR SECURITY AND P.A WORK SHALL BE DONE BY ELECTRICAL CONTRACTOR.



66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

PROJECT NAME

YONKERS
PUBLIC SCHOOLS

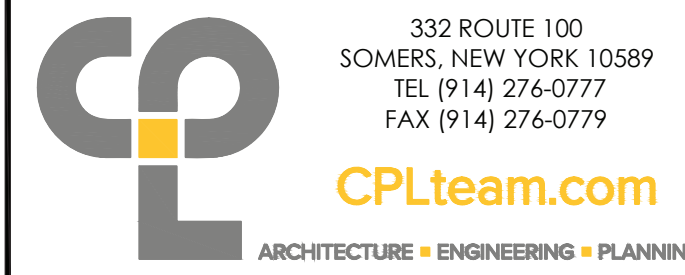
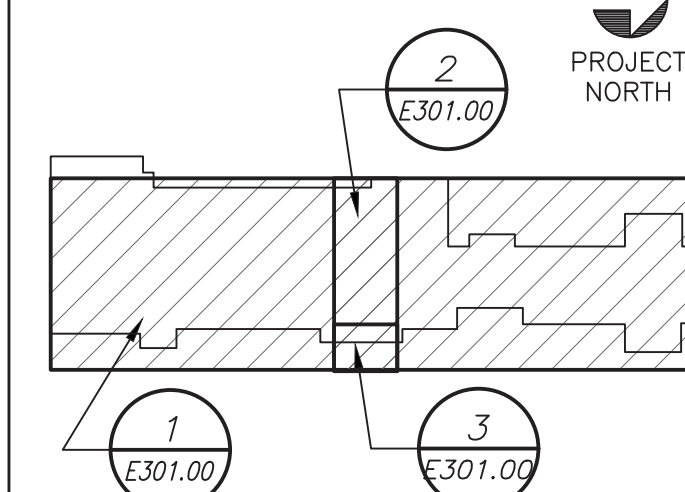
PS 16 - YONKERS

759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE



KEY PLAN



CONSULTANTS

CIVIL ENGINEER CONSULTANT



SECURITY CONSULTANT



ENVIRONMENTAL CONSULTANT
ADELAIDE ENVIRONMENTAL HEALTH ASSOC.
1311 RT 22, BIRWATER, NY 10509
TEL: 903.278.7710

MECHANICAL ELECTRICAL CONSULTANT



REV. NO.	DATE	DESCRIPTION
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11/16/20	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN DATE: 1/23/19
DRAWN BY: K.C. CHECKED BY: C.G.

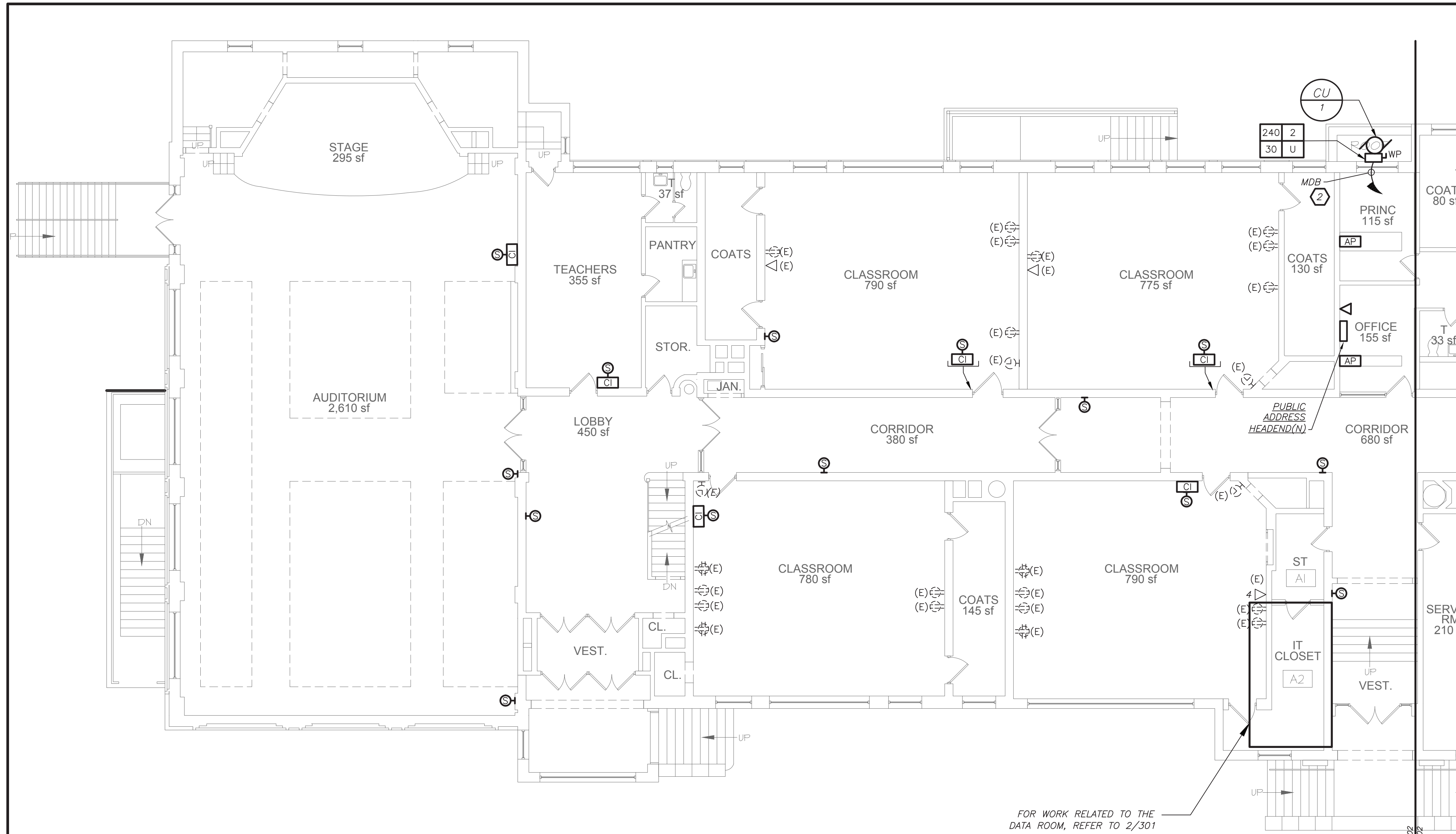
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BASEMENT AND
PARTIAL FIRST FLOOR
ELECTRICAL POWER
PLAN

SHEET NO.

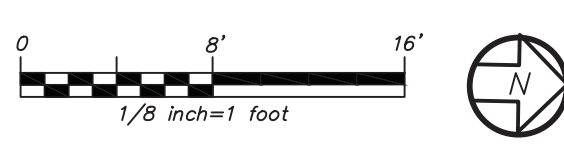
E301.00

- NEW PUBLIC ADDRESS SYSTEM:**
1. PROVIDE SURFACE MOUNTED SPEAKERS AND CALL-IN BUTTONS IN THE CLASSROOMS AND CORRIDORS AS SHOWN.
 2. ALL CALL IN BUTTONS SHALL BE MOUNTED 48" AFF TO THE BOTTOM OF ENCLOSURE, WHERE THERE IS WOOD TRIM, DEVICES SHALL BE MOUNTED 1" ABOVE WOOD TRIM. CALL IN DEVICES SHALL NOT BE MOUNTED MORE THEN 51" AFF TO THE BOTTOM OF ENCLOSURE. IF THERE ARE ANY CONFLICTS, CONTRACTOR SHALL COORDINATE WITH ARCHITECT/ENGINEER BEFORE THE START OF ANY WORK.
 3. ALL SPEAKERS SHALL BE MOUNTED 8'-0" AFF TO THE BOTTOM OF ENCLOSURE FOR CLASSROOMS AND BASEMENT CORRIDORS. ALL CORRIDORS ON THE FIRST AND SECOND FLOOR SPEAKERS SHALL BE MOUNTED AT 9'-0" AFF UNLESS DIRECTED OTHERWISE BY ARCHITECT/OWNER. FINAL COORDINATION SHALL BE DONE WITH ARCHITECT/OWNER BEFORE THE START OF ANY WORK.
 4. ALL LOW VOLTAGE PUBLIC ADDRESS WIRING SHALL BE ROUTED IN WIREMOLD SIMILAR TO 700 SERIES.
 5. ALL CUTTING AND PATCHING FOR SECURITY AND P.A WORK SHALL BE DONE BY ELECTRICAL CONTRACTOR.



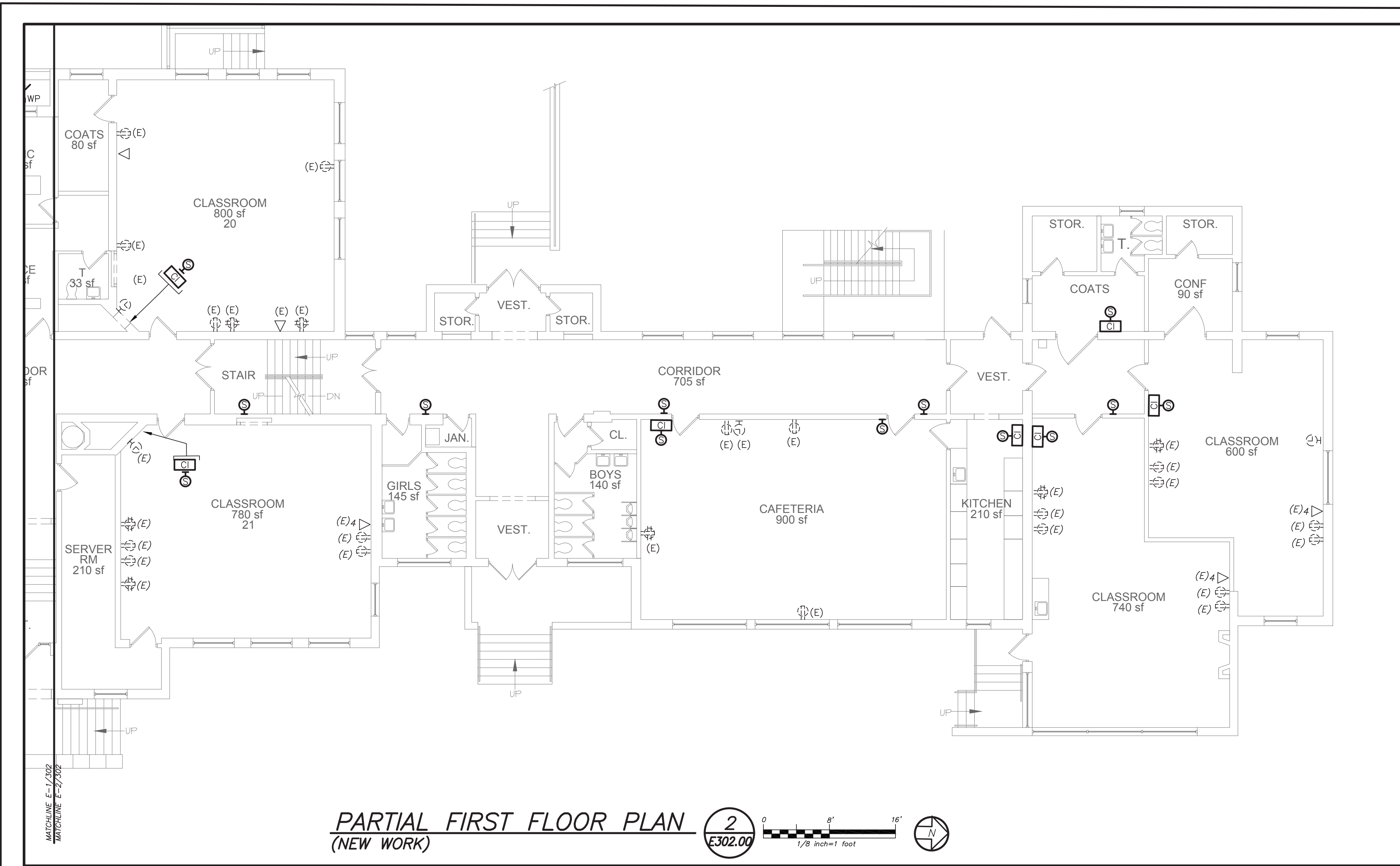
PARTIAL FIRST FLOOR PLAN
(NEW WORK)

1
E302.00



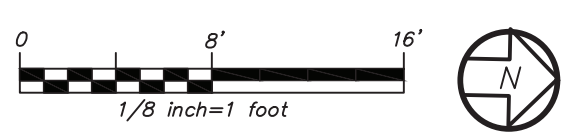
FOR WORK RELATED TO THE
DATA ROOM, REFER TO 2/301

MATCHLINE E-1/202
MATCHLINE E-2/202



PARTIAL FIRST FLOOR PLAN
(NEW WORK)

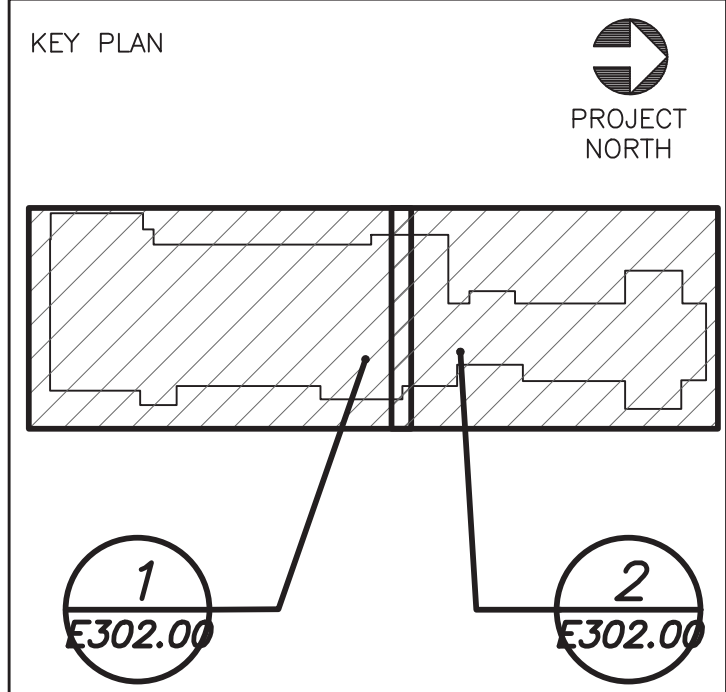
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E302.00



MATCHLINE E-1/202
MATCHLINE E-2/202

66.23.00.01.0.016.009
YONKERS PROJECT NUMBER
10845
PROJECT NAME
**YONKERS
PUBLIC SCHOOLS**
PS 16 - YONKERS
759 NORTH BROADWAY
YONKERS, NY 10701

**RESTORATION OF
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CPLteam.com
ARCHITECTURE • ENGINEERING • PLANNING
332 ROUTE 100
SONWERS, NEW YORK 10589
TEL (914) 276-0777
FAX (914) 276-0779

CONSULTANTS

INSITE
ENGINEERING, SURVEYING &
LANDSCAPE ARCHITECTURE, P.C.
1000 ROUTE 28
SUITE 200
YONKERS, NY 10701
TEL (914) 276-0777

ITG Larson
155 Lafayette Ave, White Plains, NY 10603

ADELAIDE ENVIRONMENTAL HEALTH ASSOC.
1311 RT 22, BREWSTER, NY 10509
TEL (845) 276-7710

MECHANICAL ELECTRICAL CONSULTANT
BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
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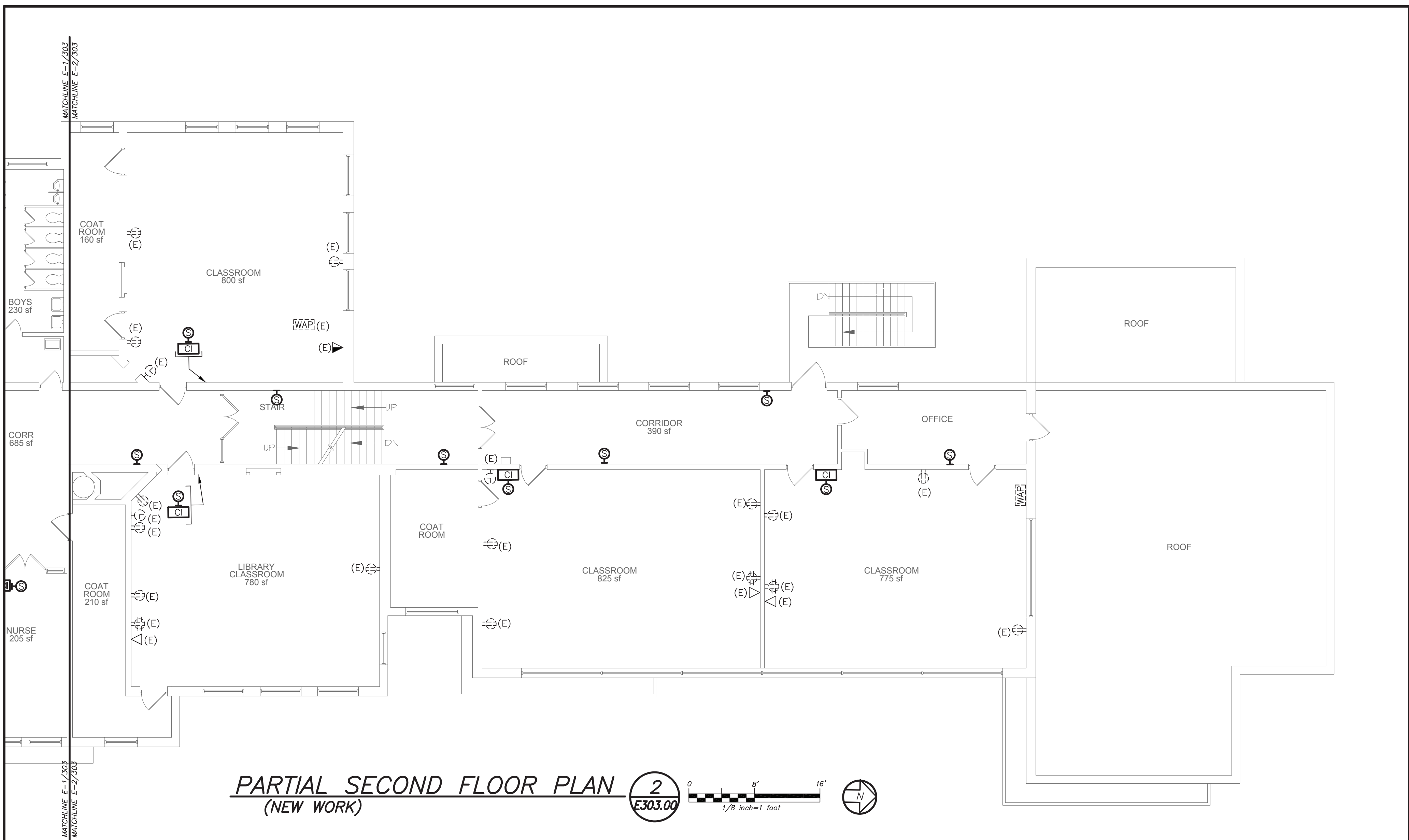
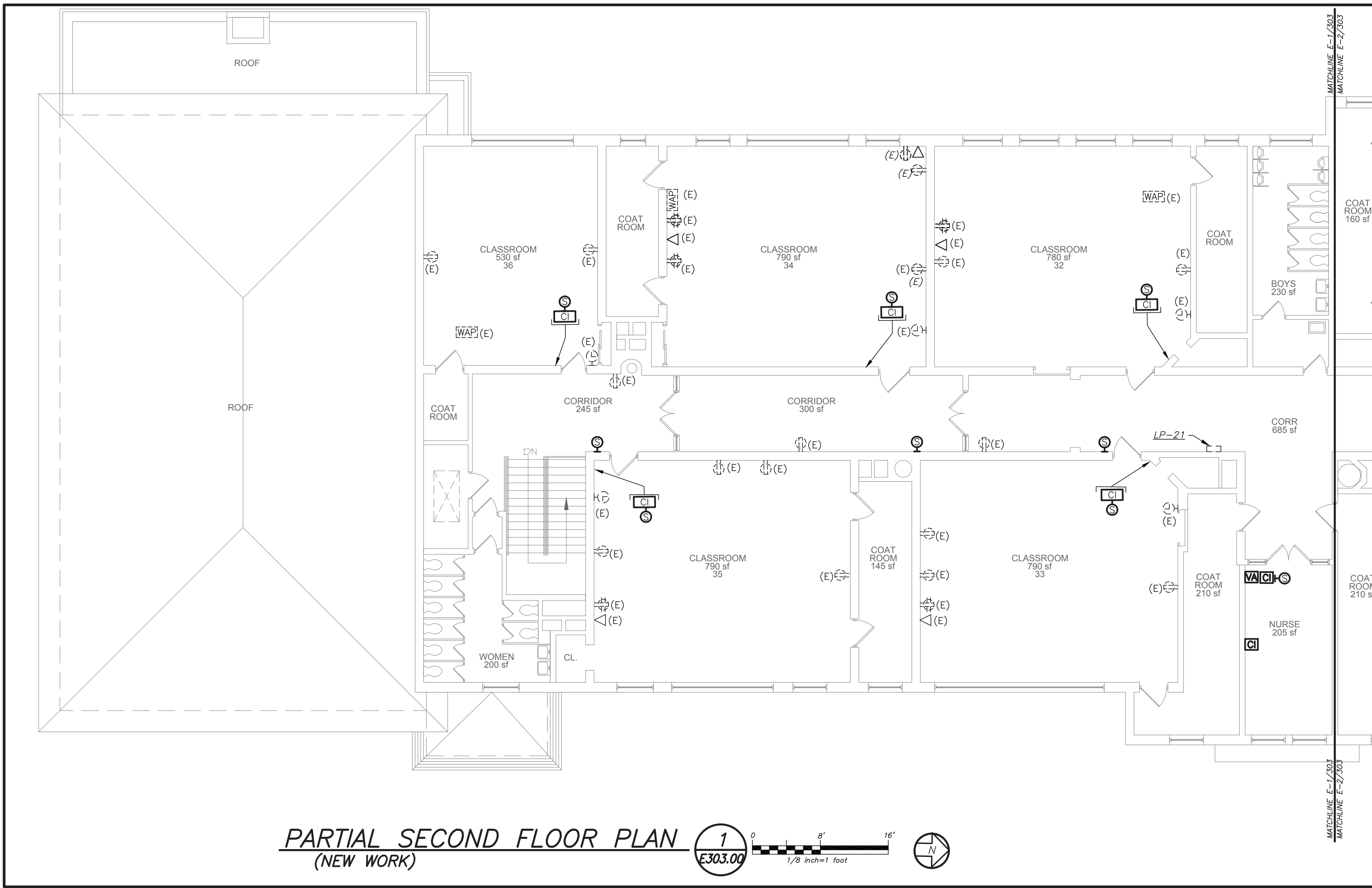
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DRAWN BY: K.C.	CHECKED BY: C.G.

DRAWING TITLE
**FIRST FLOOR
ELECTRICAL PLAN**

SHEET NO.
E302.00

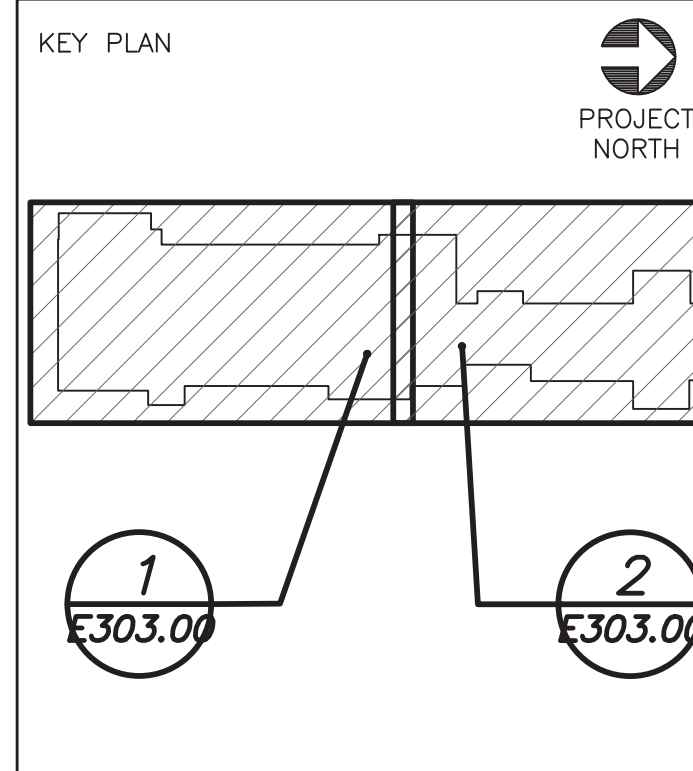
YONKERS PUBLIC SCHOOLS

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PUBLIC SCHOOLS
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YONKERS, NY 10701

RESTORATION OF
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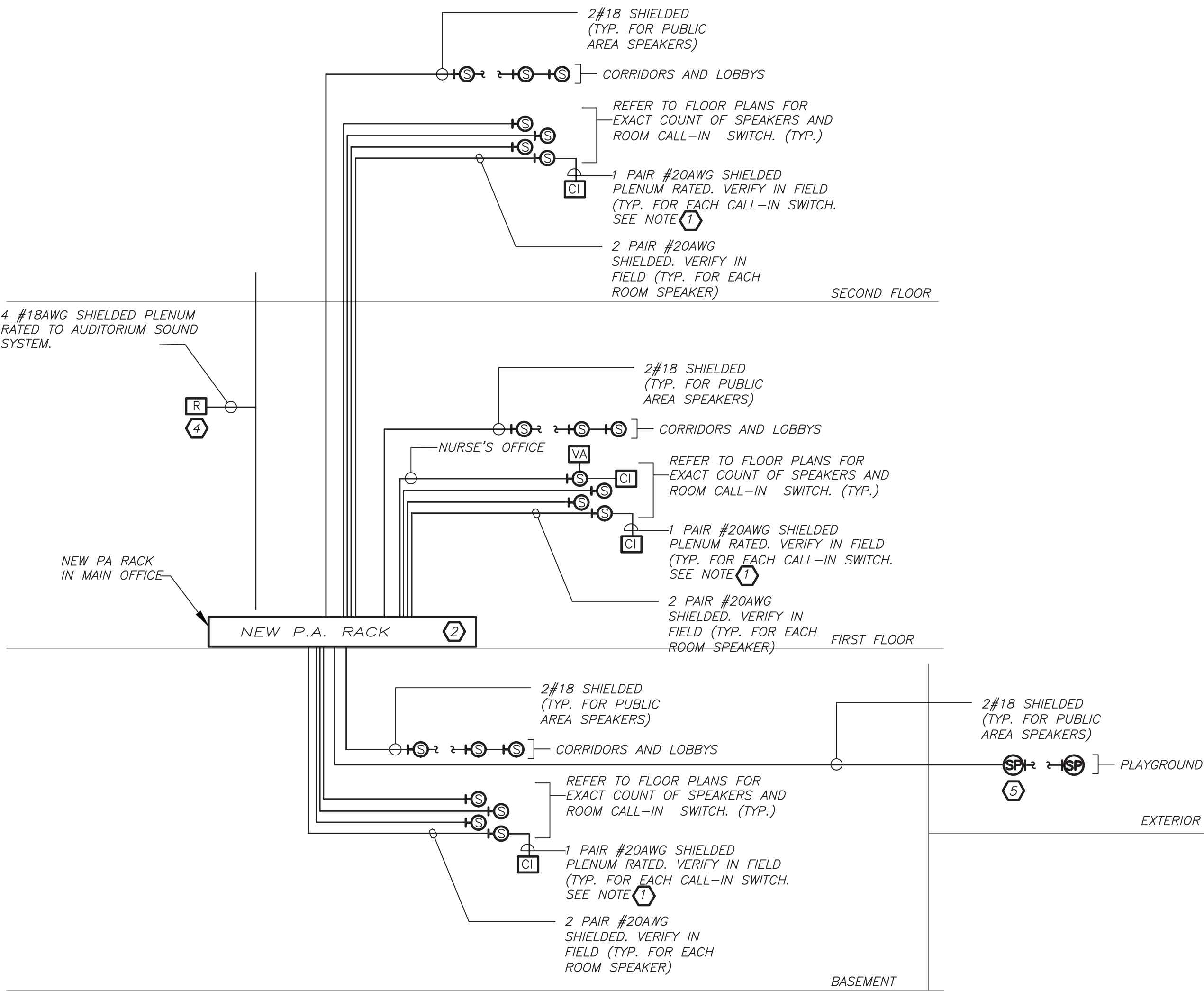
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BARILE GALLAGHER & ASSOCIATES
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99 MARBLE AVE, PLEASANTVILLE, NY 10570
PHONE: 914.231.0880 FAX: 914.231.0884 Email: BGCA-Eng.com

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SCALE: AS SHOWN
DATE: 1/23/19
DRAWN BY: K.C.
CHECKED BY: C.G.

DRAWING TITLE
SECOND FLOOR
ELECTRICAL PLAN

SHEET NO.
E303.00



NOTES:

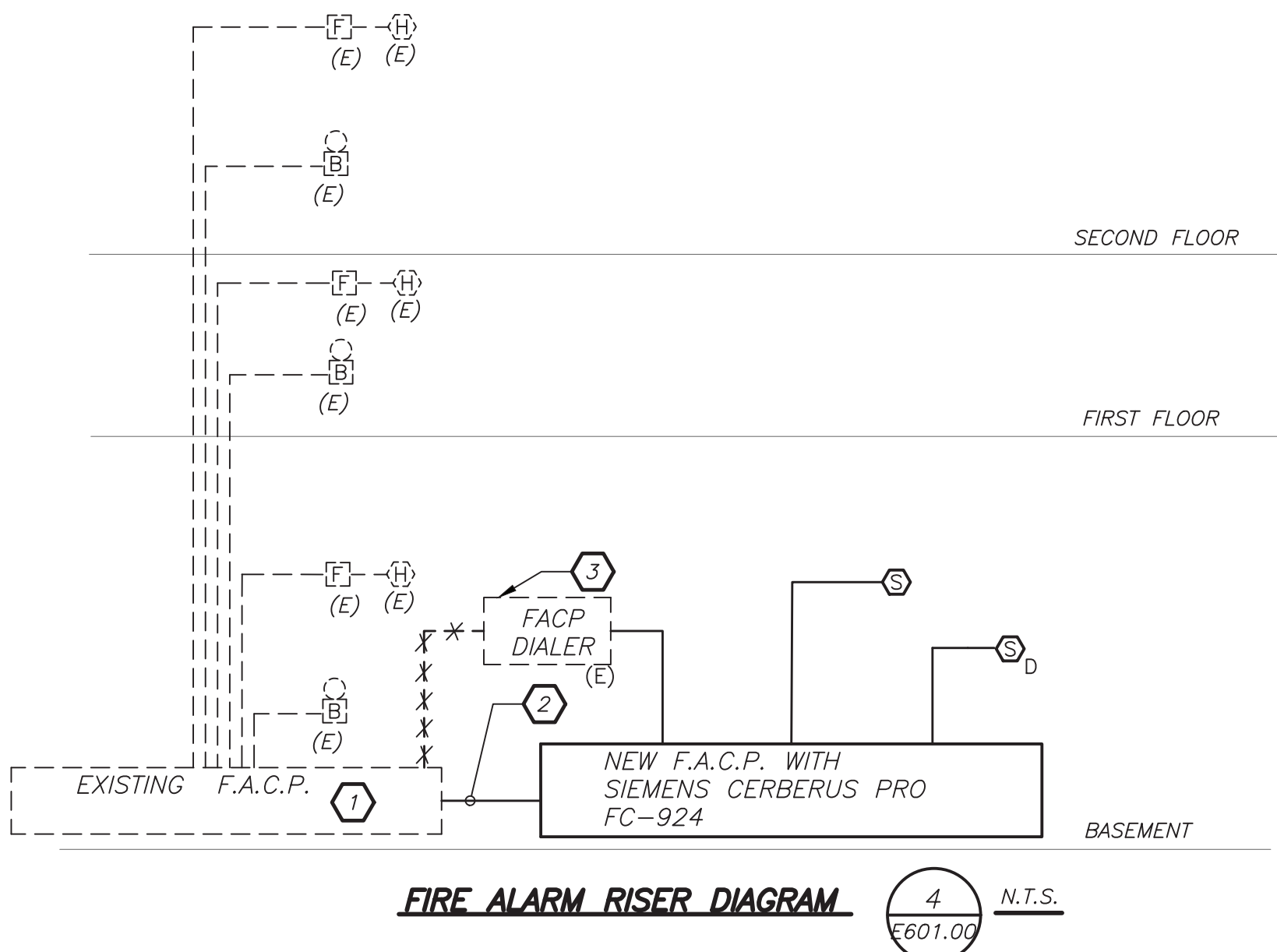
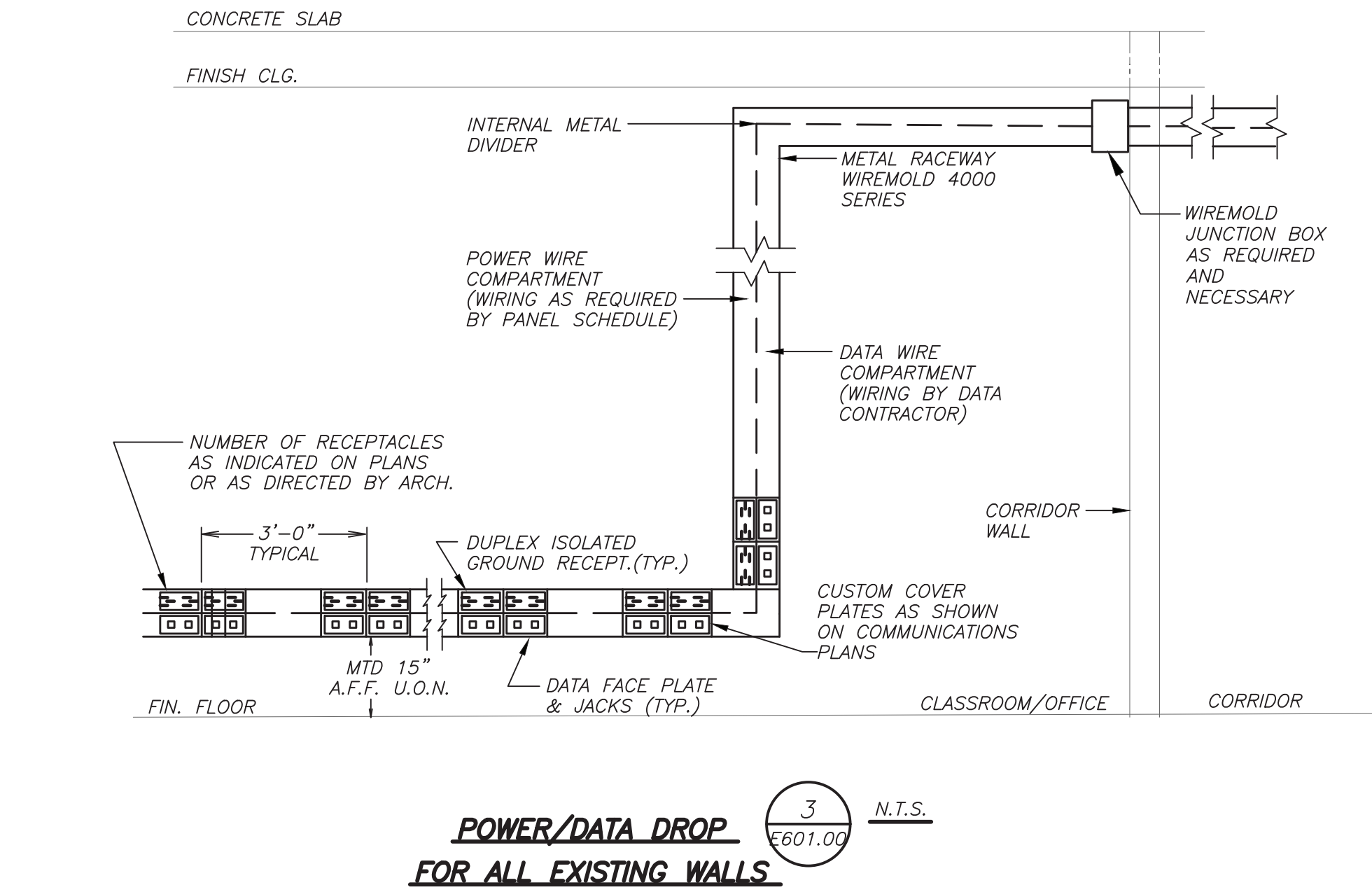
1. VERIFY EXACT QUANTITY AND LOCATION OF DEVICES ON PLAN DRAWINGS.
2. WIRING TYPES ARE SHOWN FOR REFERENCE ONLY. VERIFY EXACT WIRING REQUIREMENTS WITH MANUFACTURER.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE PLENUM RATED WIRING AND RUN EXPOSED ABOVE ACCESSIBLE CEILING. IT SHALL BE RUN IN EMT CONDUIT WHERE EXPOSED, EXCEPT IN CORRIDORS, CLASSROOMS AND OFFICES WIRING SHALL BE RUN IN STEEL SURFACE RACEWAY (SIMILAR TO WIREMOLD V-500 AND/OR V-700). WIRING SHALL ALSO BE RUN IN EMT FOR STUB-UPS IN CONCEALED WALLS.
4. AUDITORIUM SOUND SYSTEM, PROVIDE OVER RIDE RELAY TO MAKE IT CAPABLE OF INTERFACING WITH SCHOOL PUBLIC ADDRESS SYSTEM AND CAPABLE OF ANNOUNCING CALLS FROM P.A. SYSTEM.
5. ALL PROGRAMMING AND FINAL CONNECTIONS TO P.A. SYSTEM RACK SHALL BE BY SYSTEM MAINTENANCE CONTRACTOR. ALL COSTS ASSOCIATED WITH THIS SHALL BE BY ELECTRICAL CONTRACTOR.
6. EXISTING P.A. SYSTEM SHALL BE REMOVED IN ITS ENTIRETY ONCE THE NEW P.A. SYSTEM IS 100% OPERATIONAL.

WORK NOTES:

1. ALL SPEAKERS IN CLASSROOMS, OFFICES, BOILER ROOM, ETC. WHERE INDICATED ON FLOOR PLAN SHALL BE PROVIDED WITH CALL-IN SWITCH AND WIRED AS INDICATED.
2. PROVIDE 90 MINUTE BACK UP FOR P.A. SYSTEM. PROVIDE BATTERY CALCULATIONS.
3. PROVIDE INDICATED WIRING FROM NEW P.A. SYSTEM HEADEND IN MAIN OFFICE AND TAKEOVER RELAY. AS INDICATED ABOVE. PROVIDE BRANCH CIRCUIT AS INDICATED.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE SIGNAL INTERFACE FROM MAIN PUBLIC ADDRESS SYSTEM RACK TO THE STAND ALONE SOUND SYSTEM AMPLIFIERS TO OVERRIDE THE LOCAL SOUND SYSTEM.
5. OWNER SHALL HAVE CAPABILITY TO SHUT OFF EXTERIOR SPEAKER INDEPENDENTLY DURING ALL CALLS.

PUBLIC ADDRESS RISER DIAGRAM

5 N.T.S. E601.00



FIRE ALARM SYSTEM NOTES:

1. FIRE ALARM WIRING DIAGRAMS SHOWN ARE FOR GENERAL ARRANGEMENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND OBTAIN POINT TO POINT WIRING DIAGRAM PRIOR TO INSTALLATION. VERIFY EXACT QUANTITY OF DEVICES WITH PLANS.
2. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED RELAYS, CONTACTS, ZONE BOARDS, ETC. FOR A COMPLETE AND FULLY FUNCTIONAL FIRE ALARM SYSTEM.
3. THE FIRE ALARM INSTALLATION SHALL COMPLY WITH STATE & LOCAL BUILDING CODES, NATIONAL ELECTRICAL CODE, THE AMERICANS WITH DISABILITIES ACT (ADA), AND NFPA 72, 101 AND 904 AND STATE EDUCATION DEPT.
4. PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
5. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND PROTECT EXISTING FIRE ALARM BELLS, SMOKE DETECTORS, AND OTHER FIRE ALARM SAFETY DEVICES IN OPERATION AT ALL TIMES. IF ANY PORTION OF FIRE ALARM SYSTEM IS DISABLED, NOTIFY BUILDING OWNER IMMEDIATELY.
6. UNLESS DIRECTED OTHERWISE BY FIRE ALARM MAINTENANCE VENDOR FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY):

SIGNAL WIRING - #14 AWG TWISTED/SHIELDED

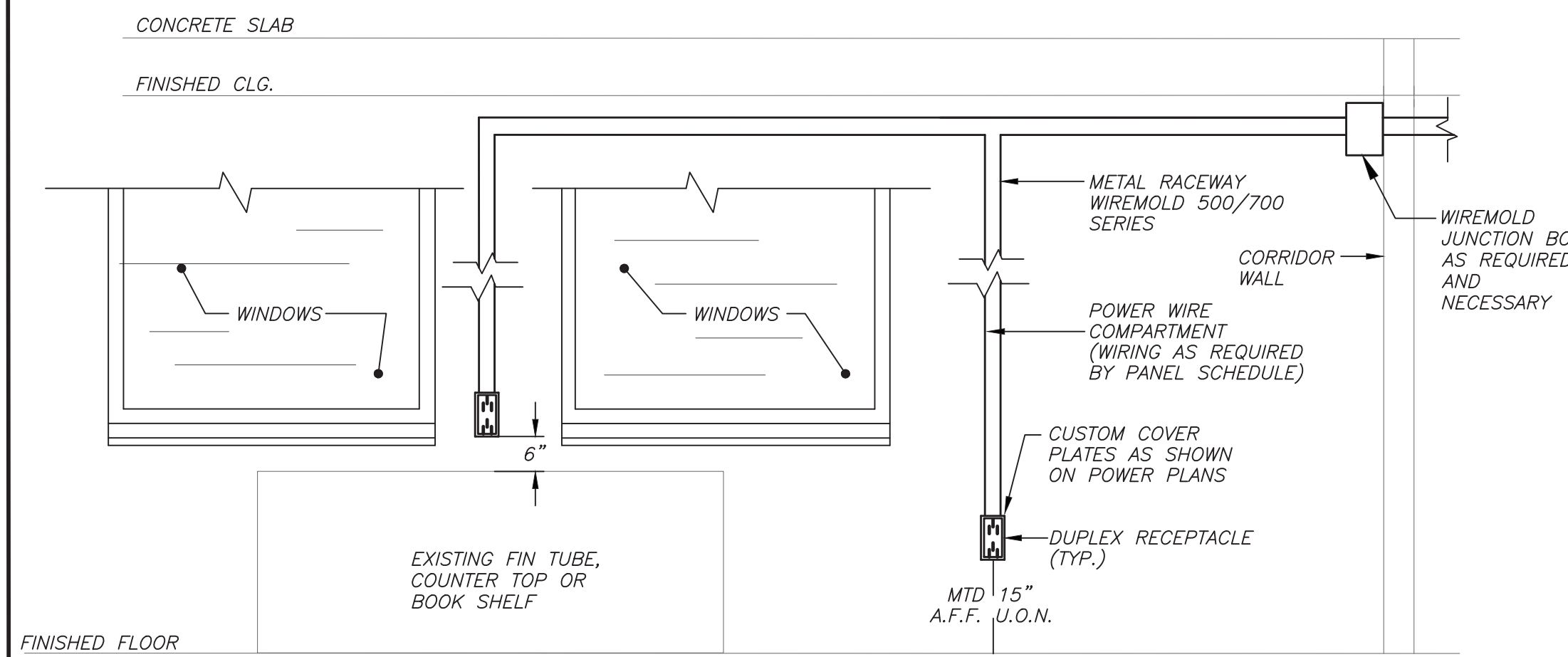
- THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:
- A. A MINIMUM TEMPERATURE RATING OF 150 C
 - B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS
 - C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS
 - D. THE COLOR OF THE CABLE SHALL BE RED
 - E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE) WHEN CONDUIT IS USED.
 - F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL.
- CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR TO PURCHASING.
7. PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY AFC SERIES 1800 WHEN CABLE IS CONCEALED OR ABOVE HUNG CEILING. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN FINISHED AREAS, CABLE SHALL RUN IN WIREMOLD V-700. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. 3/4" CONDUIT.
 8. SHUTDOWN OF HVAC SYSTEM EQUIPMENT (NOT LIMITED TO, ROOF TOP, EXHAUST FANS, ETC.) OF 1000 CFM OR GREATER, SHALL BE PERFORMED VIA A RELAY INTERFACE SYSTEM. SEND SIGNAL TO BUILDING AUTOMATED TEMPERATURE CONTROL (ATC) SYSTEM INDICATING SHUTDOWN HAS OCCURRED. EQUIPMENT RESTART SHALL BE BY BUILDING "ATC" SYSTEM UPON FIRE ALARM RESET TO NORMAL MODE. RESTART OF EQUIPMENT SHALL BE SEQUENTIAL.
 9. AFTER THE SYSTEM IS COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
 10. COORDINATE F.A. WORK WITH F.A. VENDOR.
 11. VERIFY EXACT QUANTITIES OF FIRE ALARM DEVICES WITH PLANS.
 12. ALL DEVICES SHALL BE SUPERVISED AS PER N.F.P.A. 72. PROVIDE END OF LINE RESISTORS AS REQUIRED PER INDIVIDUAL MANUFACTURER. PROVIDE LOAD RELAYS AS REQUIRED FOR PROPER OPERATION OF EQUIPMENT.
 13. THIS CONTRACTOR IS RESPONSIBLE FOR ALL PROGRAMMING AND MAPPING OF EACH DEVICE AS REQUIRED.

FIRE ALARM RISER WORK NOTES:

1. FROM EXISTING FACP, PROVIDE ALL NECESSARY EXPANSION COMPONENTS (LOOP, CARDS, ETC.) BOOSTER POWER SUPPLIES, REMOTE BOOSTER POWER SUPPLIES, PROGRAMMING, UPDATE DATA BASE, TESTING, ETC. FOR SIEMENS CERBERUS PRO-924 FACP.
2. PROVIDE 2 PAIR #16 AWG WIRE IN 3" CONDUIT TO CROSS TRIP THE ALARM AND TROUBLE FROM THE EXISTING F.A.C.P. TO NEW F.A.C.P.
3. DISCONNECT EXISTING FIRE ALARM DIALER FOR EXISTING FACP AND CONNECT TO NEW FACP.

LIGHTING FIXTURE SCHEDULE

TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
A	SURFACE MOUNTED	42 WATTS 120/208V	2'x4' LED LIGHTING, WITH FOR 4200 LUMENS AND 35K COLOR TEMPERATURE.	MANUFACTURER: MERCURY LIGHTING LM104-4-4200-35K-1-UNI
EM A	SURFACE MOUNTED	42 WATTS 120/208V	SAME AS FIXTURE "A" WITH EMERGENCY BATTERY PACK.	MANUFACTURER: MERCURY LIGHTING LM104-4-4200-35K-1-UNI-EM7
A1	PENDENT MOUNTED	42 WATTS 120/208V	2'x4' LED LIGHTING, WITH FOR 4200 LUMENS AND 35K COLOR TEMPERATURE.	MANUFACTURER: MERCURY LIGHTING LM104-4-4200-35K-1-UNI-VH-48
EM A1	PENDENT MOUNTED	42 WATTS 120/208V	SAME AS FIXTURE "A1" WITH EMERGENCY BATTERY PACK.	MANUFACTURER: MERCURY LIGHTING LM104-4-4200-35K-1-UNI-EM7-VH-48
B	SURFACE MOUNTED	32 WATTS 120/208V	1'x4' LED LIGHTING, WITH 3800 LUMENS. 35K COLOR TEMPERATURE	MANUFACTURER: MERCURY LIGHTING LW4-4-3800-35K-HTA-1-UNI
C	SURFACE MOUNTED	133 WATTS 120/208V	2'x4' LED LOW BAY SURFACE MOUNTED FIXTURE, WITH 17,000 LUMENS AND 4000K COLOR TEMPERATURE. SPECIFIED WITH WIRE GUARD KIT	MANUFACTURER: COLUMBIA LIGHTING CHB-2-40-ML-FA-ED-U-WG-N-SMK-N
EM C	SURFACE MOUNTED	133 WATTS 120/208V	SAME AS FIXTURE "C" WITH EMERGENCY BATTERY PACK.	MANUFACTURER: COLUMBIA LIGHTING CHB-2-40-ML-FA-ED-U-ELL14-WG-N-SMK-N
EM D	WALL SURFACE MOUNTED	25 W LED 120V	WALL MOUNTED EXTERIOR LIGHT 4000K COLOR TEMPERATURE, BATTERY PACK AND INTEGRAL PHOTOCELL MOUNTED 10'-0" AFF OR AS DIRECTED BY OWNER.	MANUFACTURER: HUBBELL GSP1-12L-30-4K7-3-U-BL-PCU-EH
EM D1	WALL SURFACE MOUNTED	25 W LED 120V	WALL MOUNTED EXTERIOR LIGHT 4000K COLOR TEMPERATURE, BATTERY PACK. MOUNTED 10'-0" AFF OR AS DIRECTED BY OWNER.	MANUFACTURER: HUBBELL GSP1-12L-30-4K7-3-U-BL-EH
	SURFACE WALL/CEILING MOUNTED	5W LED 120V	EXIT LIGHT WITH STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE EMERGENCY BATTERY PACK.	MANUFACTURER: COOPER LIGHTING XLN1-6-S-R-1/2U

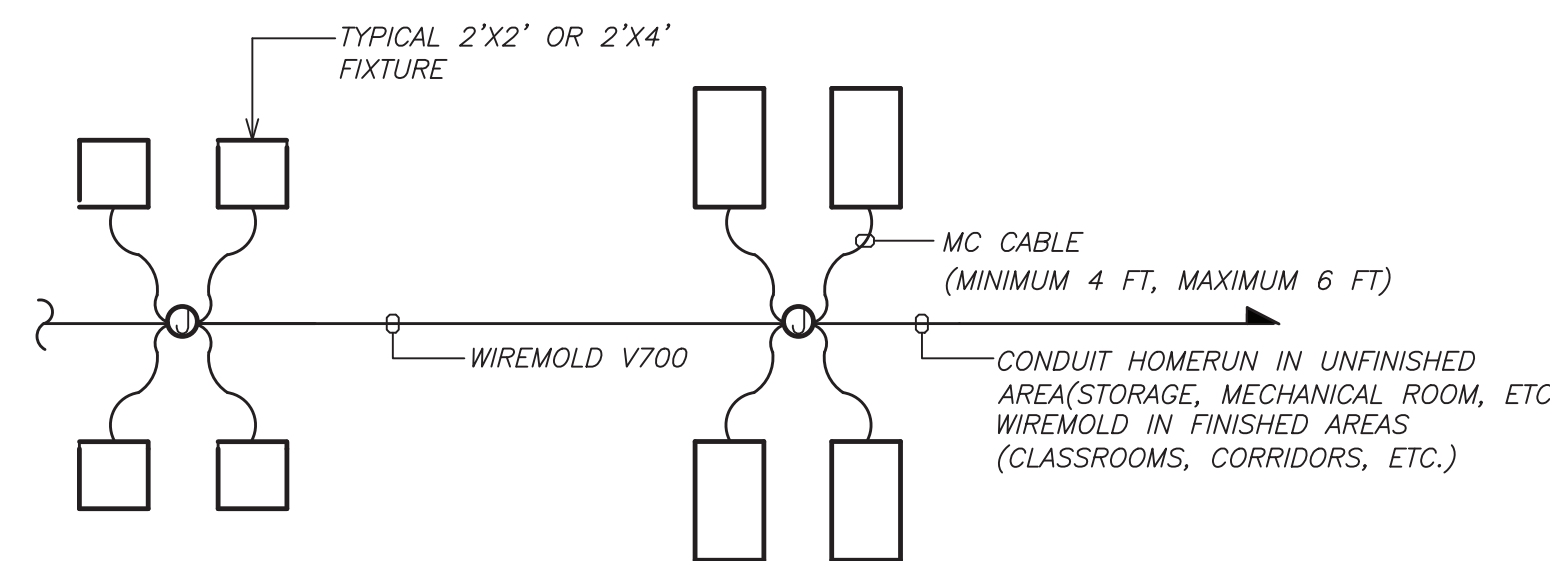


NOTE:

1. DRAWING IS SCHEMATIC ONLY AND ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR RUNNING WIREMOLD AROUND ALL OBSTRUCTIONS (I.E. BLACK BOARDS, BULLETIN BOARDS, WINDOWS, OPENINGS, ETC.) AND CAREFULLY CUTTING ANY MOLDINGS, FRAMES, ETC. FOR A COMPLETE INSTALLATION.

POWER DROP FOR ALL EXISTING WALLS

1 N.T.S. E601.00



NOTES:

1. LIGHTING FIXTURES SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUITING AS INDICATED ON THE LIGHTING DRAWINGS.

LIGHTING FIXTURE CIRCUITING DETAIL

2 N.T.S. E601.00

66.23.00.01.0.016.009

YONKERS PROJECT NUMBER

10845

PROJECT NAME

YONKERS
PUBLIC SCHOOLS

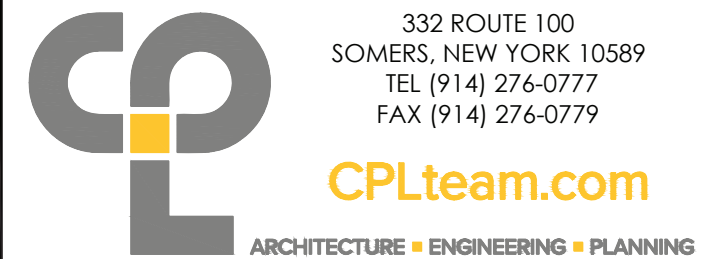
PS 16 - YONKERS

759 NORTH BROADWAY
YONKERS, NY 10701

RESTORATION OF
BUILDING ENVELOPE,
INTERIORS, SECURITY
& SITE



KEY PLAN



CONSULTANTS

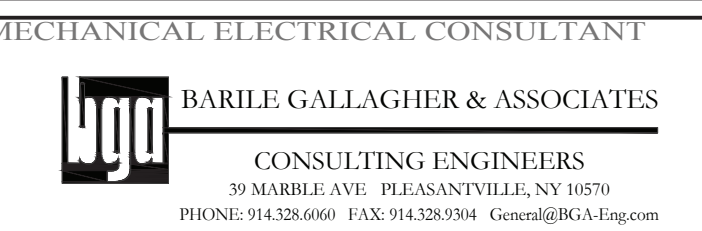
CIVIL ENGINEER CONSULTANT



SECURITY CONSULTANT



ENVIRONMENTAL CONSULTANT
ADELAIDE ENVIRONMENTAL HEALTH ASSOC.
1311 RT 22, BIRWATER, NY 10509
TEL 903.378.7710



REV. NO.	DATE	DESCRIPTION
01/23/19	01/23/19	SED FOR BUILDING PERMIT
09/15/19	09/15/19	ISSUED FOR BID
11/16/20	11/16/20	ISSUED FOR BID

SCALE: AS SHOWN DATE: 1/23/19
DRAWN BY: K.C. CHECKED BY: C.G.

DRAWING TITLE

ELECTRICAL
SCHEDULES RISER AND
DETAILS

SHEET NO.

E601.00

YONKERS PUBLIC SCHOOLS

SCHOOL 16

759 NORTH BROADWAY
YONKERS, NY 10701

SECURITY UPDATE PROJECT

SECURITY DRAWING LIST

SE-000 COVER SHEET / LEGEND & INDEX

FLOOR PLANS

SE-100 SECURITY UPDATE PROJECT - BASEMENT
SE-101 SECURITY UPDATE PROJECT - FIRST FLOOR
SE-102 SECURITY UPDATE PROJECT - SECOND FLOOR
SE-103 SECURITY UPDATE PROJECT - SITE PLAN

RISER

SE-200 SECURITY DEVICE RISER DIAGRAM

CLOSET DETAILS

SE-300 CLOSET ELEVATIONS
SE-303 CCTV ONE LINE DIAGRAM

TYPICALS

SE-700 IS-TAR-OVERALL SCHEMATIC SECURITY
SE-701 DEVICE & POWER CONNECTION
SE-702A ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS W/ MOTION REX
SE-702B ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS W/ BUILT-IN REX
SE-703 SECURITY EQUIPMENT DETAIL 1- (DOOR TYPICALS)
SE-703A SECURITY EQUIPMENT DETAIL 1A- (DOOR TYPICALS)
SE-704 SECURITY EQUIPMENT DETAIL 2- (ACCESS DEVICE TYPICALS)
SE-705 SECURITY EQUIPMENT DETAIL 3- (ILDA DEVICE TYPICALS)
SE-705A SECURITY EQUIPMENT DETAIL 4- (BURG DEVICE TYPICALS)
SE-706 SECURITY EQUIPMENT DETAIL 5- (CCTV TYPICALS)

GENERAL NOTES

- GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
- WORK TO COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO, NYC, OSHA, ETC.
- THE INSTALLING SECURITY CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING WITH BUILDING MANAGEMENT THE USE OF ELEVATOR OR OTHER HOSTING FACILITIES FOR HANDLING THE DELIVERY OF MATERIALS.
- FIRE STOPPING OF ALL PENETRATIONS SHALL BE PROVIDED BY THE INSTALLING SECURITY CONTRACTOR AS REQUIRED BY CODE.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND FINAL SYSTEM CONDUIT AND CONDUCTOR LAYOUTS SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURERS APPROVED EQUIPMENT, CONDUIT, AND WIRING SHOP DRAWINGS, AND FIELD CONDITIONS.
- THE INSTALLING CONTRACTOR MUST COORDINATE WITH THE DEVICE INSTALLATION DETAILS, AND ENSURE THAT DEVICE BACKBOXES ARE APPROPRIATE FOR THE FINAL SHOP DRAWING APPROVED DEVICE, ON A LOCATION-BY-LOCATION BASIS, AND MEET ARCHITECTURAL REQUIREMENTS. FOR SURFACE OR RECESS MOUNTING, RECESS MOUNTING IS THE PREFERRED APPLICATION.
- PROVIDE APPROPRIATE METALLIC BACKWAY FOR THE SECURITY SYSTEM AS NEEDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND SO AS NOT TO EXCEED 40% CONDUIT FILL.
- THE INSTALLING CONTRACTOR SHALL PROVIDE ALL 120/200VAC AS REQUIRED FOR THE SECURITY SYSTEM UNLESS OTHERWISE NOTED. FINAL 120 VAC TERMINATIONS IN THE SECURITY EQUIPMENT SHALL BE PERFORMED BY THE INSTALLING SECURITY CONTRACTOR.
- THE INSTALLING CONTRACTOR SHALL PROVIDE AND INSTALL ALL INTERCONNECTING CONDUITS AND RACEWAYS INSIDE THE SECURITY EQUIPMENT AND TERMINATE ALL WIRES AS SHOWN IN THE DRAWING SET.
- THE INSTALLING CONTRACTOR SHALL PROVIDE AND INSTALL ALL CABLE PASS-THROUGH HOLES IN MILLWORK UNLESS OTHERWISE NOTED.
- THE INSTALLING CONTRACTOR SHALL PROVIDE AND INSTALL ALL OVERHEAD CABLE SUPPORTED BY J-HOOKS, CABLE TRAY OR EQUIVALENT. CABLE SHALL NOT BE SUPPORTED BY CEILING GRID, DUCTWORK, SPRINKLER PIPES, ELECTRICAL CONDUIT OR GAS PIPES.
- THE INSTALLING CONTRACTOR SHALL PROVIDE GROUNDING OF ALL ELECTRONICS EQUIPMENT ON THE 12 WOOD BACKBOARD, USE GROUNDING BAR, OR COORDINATE WITH GENERAL CONTRACTOR FOR NEAREST GROUNDING LOCATION.
- THE INSTALLING CONTRACTOR SHALL PREPARE DOORS FOR DOOR HARDWARE; THIS INCLUDES MAGNETIC LOCKS, ELECTRIC LOCKS, DOOR FRAMES FOR ELECTRIC STRIKES, HOLES FOR DOOR CONTACTS AND MAGNETIC LOCK ASSEMBLIES.
- THESE DRAWINGS INDICATE THE GENERAL INTENT OF WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE CONTRACT.
- ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND PROVIDED WITH PULL WIRES AND BRUSHINGS, WHERE CONDUITS OR WIRWAYS PASS THROUGH FIRE RATED ASSEMBLIES, THE PENETRATIONS SHALL BE PRO STOPPED.
- PRIOR TO SYSTEM TURN-ON, THE INSTALLING SECURITY CONTRACTOR SHALL REVIEW THE INSTALLATION OF ALL ELECTRIFIED DOOR HARDWARE WITH OWNER'S REP TO VERIFY CORRECT INSTALLATION & PROPER FUNCTIONING.
- AT THE TIME OF ACCESS CONTROL SYSTEM TURN ON, THE INSTALLING CONTRACTOR SHALL PROVIDE THE SAME PERSONNEL WHO PERFORMED & SUPERVISED THE WORK TO TROUBLESHOOT, TEST THE INSTALLATION AND REMEDY ALL RELATED FUNCTION LIST ITEMS FOR FINAL COMMISSIONING.
- THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDY OF ANY CABLE &/OR EQUIPMENT INSTALLATION PROBLEMS AND ALL RELATED FUNCTION LISTING.
- CLIENTS FIRE ALARM CONTRACTOR SHALL PROVIDE A SET OF NORMALLY CLOSED (N/C) CONTACTS TO RELEASE ON GENERAL ALARM.
- THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PROVIDING BACK & COMPLETE MARKED UP SET FOR THE GENERATION OF CORRECT AS BUILT DRAWINGS. INSTALLING SECURITY CONTRACTOR IS TO PROVIDE THE SECURITY PROJECT MANAGER WITH THE UPDATED SETS AND REVIEW.
- ALL WIRES TO BE MACHINE LABELED VIA SELF LAMINATING LSL-77 TAGS, PROVIDE FOR OWNER'S REP REVIEW PRIOR TO USE.
- SECURITY SCREWS TO BE USED AS NEEDED AND EXPECTED TO MAINTAIN SYSTEMS INTEGRITY.

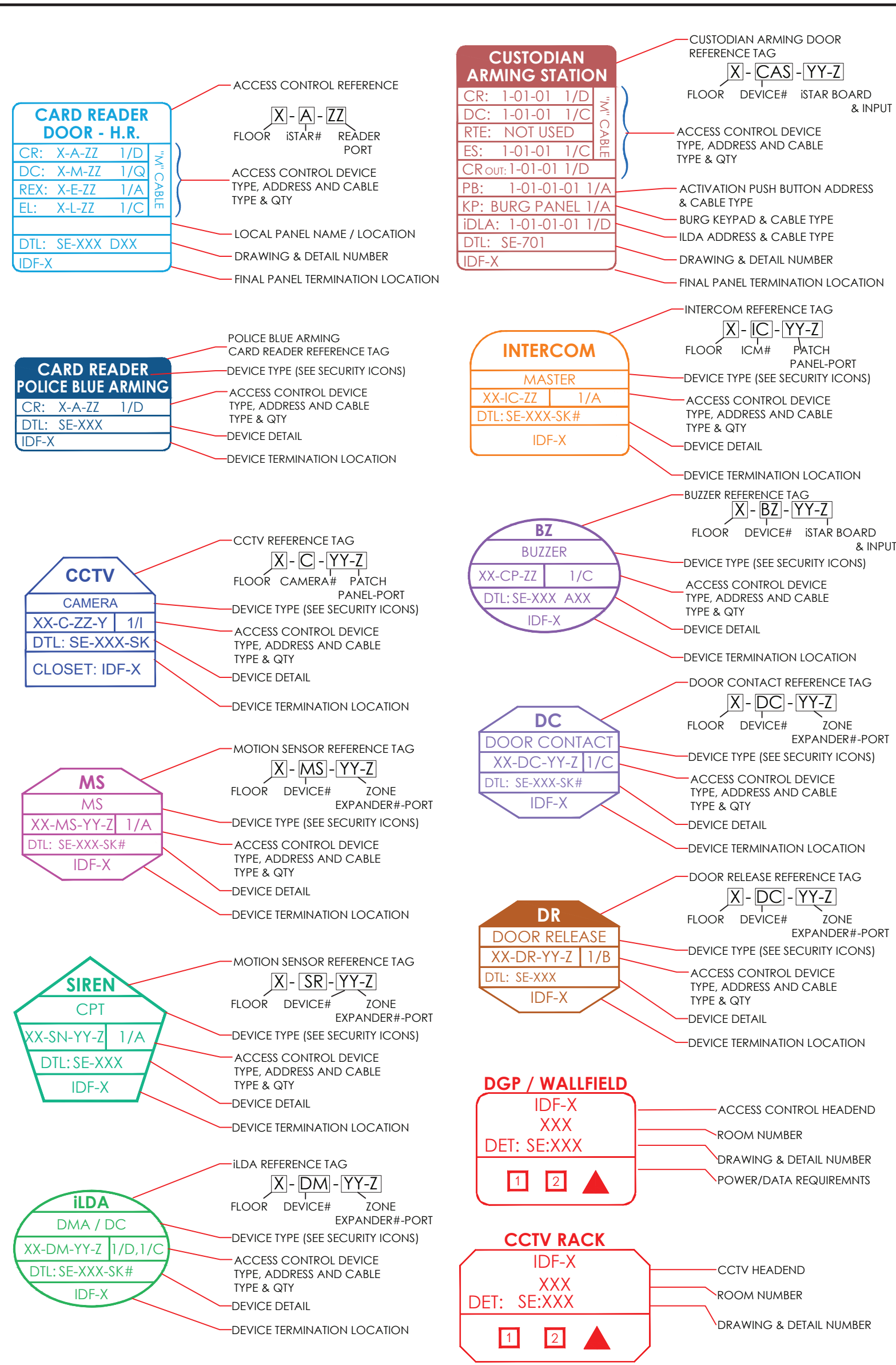
POWER REQUIREMENTS

- 1. POWER (EMERGENCY CIRCUIT)**
ELECTRICAL CONTRACTOR TO PROVIDE A HARD WIRED CONNECTION TO A 120 VAC, 20A EMERGENCY CIRCUIT DEDICATED TO SECURITY IN EACH RISER LOCATION WITHIN A 4'X4' BOX SURFACE MOUNTED 18" APART WITH WIRE ENDS TERMINATED AND INSULATED WITH WIRE NUTS.
- 2. POWER (NON-EMERGENCY CIRCUIT)**
ELECTRICAL CONTRACTOR TO PROVIDE A HARD WIRED CONNECTION TO A 120 VAC, 20A NON-EMERGENCY CIRCUIT DEDICATED TO SECURITY IN EACH RISER LOCATION WITHIN A 4'X4' BOX SURFACE MOUNTED 18" APART WITH WIRE ENDS TERMINATED AND INSULATED WITH WIRE NUTS.

SECURITY DEVICES LEGEND

	CARD READER	LR = LONG RANGE EL = ELEVATOR	BIO = BIOMETRIC BC = BARCODE
	DOUBLE DOOR CONTACTS	R = RECESS S = SURFACE	DPDT = DOUBLE POLE DOUBLE THROW
	DOOR CONTACT	R = RECESS S = SURFACE	DPDT = DOUBLE POLE DOUBLE THROW
	BURG PANEL KEY PAD		
	ELECTRIFIED DOOR OPERATOR (PBO)		
	OVERHEAD DOOR CONTACT	DPDT = DOUBLE POLE DOUBLE THROW	
	ELECTRIC MORTISE LOCK	REX = REQUEST TO EXIT BUILT IN	
	ELECTROMAGNETIC LOCK		
	ELECTRIC STRIKE LOCK		
	END OF LINE RESISTOR		
	REQUEST TO EXIT MOTION SENSOR		
	INTELLIGENT LOCAL DOOR ALARM (ILDA) - "D" CABLE		
	ELECTRIC LOCKING CRASH BAR	REX = BUILT IN REQUEST TO EXIT	
	MOTION SENSOR (LONG RANGE) - "A" CABLE	MOTION SENSORS WILL BE WALL MOUNTED UNLESS MOTION SENSOR IS 360° CEILING TYPE	
	MOTION SENSOR (SHORT RANGE) - "A" CABLE		
	BUZZER		
	TEMPERATURE SENSOR		
	VIDEO MONITOR		
	INTERCOM	S=SUBSTATION M=MASTER	VS=VIDEO SUBSTATION VM=VIDEO MASTER
	SIREN		
	CUSTODIAN ARMING STATION		
	FIXED MINI DOME OUTDOOR VANDAL CAMERA		
	FIXED MINI DOME INDOOR CAMERA		
	PTZ DOME OUTDOOR CAMERA		
	PTZ DOME INDOOR CAMERA		
	FIXED BOX OUTDOOR CAMERA		
	FIXED BOX INDOOR CAMERA		

REFERENCE DEVICE ATTRIBUTE LEGEND



CABLE LEGEND

CABLE TYPE	MANUFACTURER	PART NUMBER	DESCRIPTION	USE	O.D.
A	REMEE	TYPE A	20 AWG / 2 PAIR, INDIVIDUALLY SHIELDED PLENUM PINK CABLE	INTERCOM, COMMUNICATION, REX	.194 IN
B	BELDEN	3082A	MULTI-CONDUCTOR DEVICES FOR DEVICESNET CABLE	PLC COMMUNICATION	.480 IN
C	REMEE	TYPE C	18AWG / 2 COND PLENUM PINK CABLE	PIZ POWER	.150 IN
D	REMEE	TYPE D	18AWG / 2 COND OVERALL SHIELD PLENUM PINK CABLE	CARD READER, COMMUNICATION	.207 IN
E	CORNING	129M62.5	4 STRAND 62.5UM RISER FIBER - MULTIMODE	NETWORK BACKBONE	
F	REMEE	TYPE F	1050U 20AWG PLENUM PINK CABLE	ANALOG CCTV CAMERA, ANALOG MONITOR	.214 IN
H	TBD	TBD	14 AWG / 4 COND 18IN STRAINED QUICK PULL CABLE COLOR: BLUE, RED, BROWN, YELLOW, PINK, WHITE	DEFERRED LOCK POWER/STATUS	
I	REMEE	TYPE I	23 AWG / 4 PAIR CAT5E - UNSHIELDED PLENUM	P CCTV CAMERA, NETWORK	.215 IN
M	REMEE	TYPE M	4 ELEMENT COMPOSITE PINK CABLE PLENUM (A) - TYPE A 20AWG / 2 PAIR - REX (C) - TYPE C 18AWG / 2 COND - LOCK POWER (D) - TYPE D 20AWG / 4 COND - CARD READER (E) - TYPE E 20AWG / 2 COND - DOOR CONTACT	ACCESS CONTROL DOOR	.400 IN
P	HITACHI	SF-2631	20AWG / 25 PAIR CAT5E PLENUM	PLC COMMUNICATION	.454 IN
Z	WEST PENN WIRE	AGC3186	18 AWG / 4 COND OVERALL SHIELDED, PVC	PEDESTAL CARD READER	.323 IN
X	WEST PENN WIRE	AGC357	22 AWG / 2 PAIR, 1 PAIR SHIELDED, 1 PAIR UNSHIELDED, PVC	PEDESTAL INTERCOM	.235 IN

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 - THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND VERIFYING THE ENTIRE DRAWING SET AND SPECIFICATIONS, VERIFY ACTUAL FIELD CONDITIONS AND DELIVER A TURN KEY SOLUTION TO COTY RISE.
 - CONTRACTOR TO VERIFY CAMERAS FIELD OF VIEW AND ADJUST AS NEEDED TO THE SATISFACTION OF RISE SECURITY MANAGER.
 - PRIOR TO PULLING CAT-6 WIRES, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT TO EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.
 - ALL CAT-6 CABLES TO BE TESTED AND CERTIFIED AS PER BID DOCUMENT.
 - CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE AS BUILT.
 - CONTRACTOR TO PRODUCE AND DELIVER A BOUND "AS BUILT" SET IN BOTH "D" SIZE HARD COPY (3 SETS) AND A CDD WITH .PDF FORMAT.
 - CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING. ITG'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

ISSUED FOR:

DATE	COMMENTS
1/10/2018	ISSUED FOR REVIEW / APPROVAL
2/18/2019	ISSUED FULL SET FOR APPROVAL
2/19/2019	REVIEWED & REVISED- ISSUED FOR APPROVAL
7/15/2019	REVISED
8/26/2019	ISSUED FOR BID
10/6/2019	REVISED- ISSUED FOR BID
11/15/2020	REVISED- ISSUED FOR BID

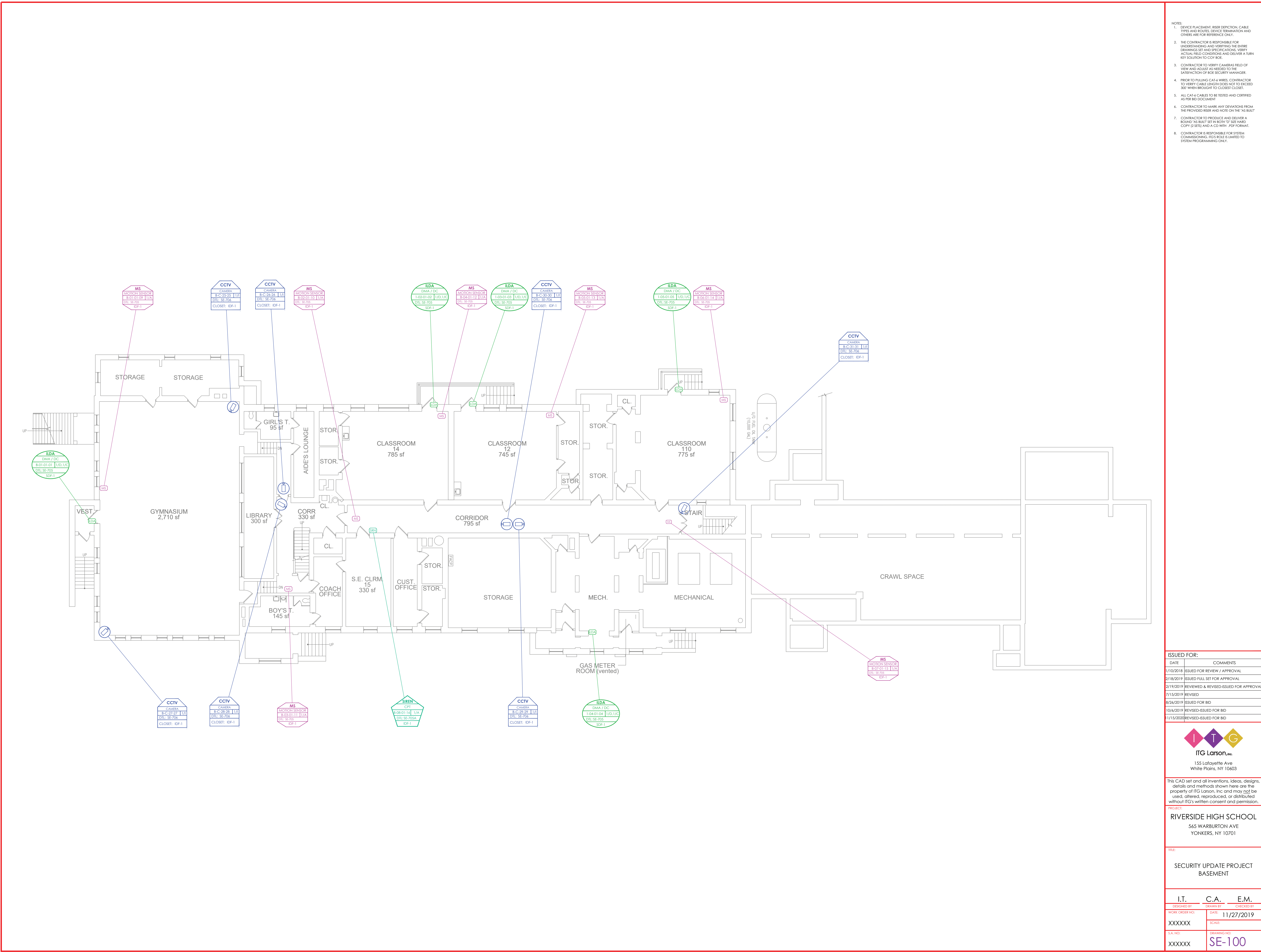
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ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

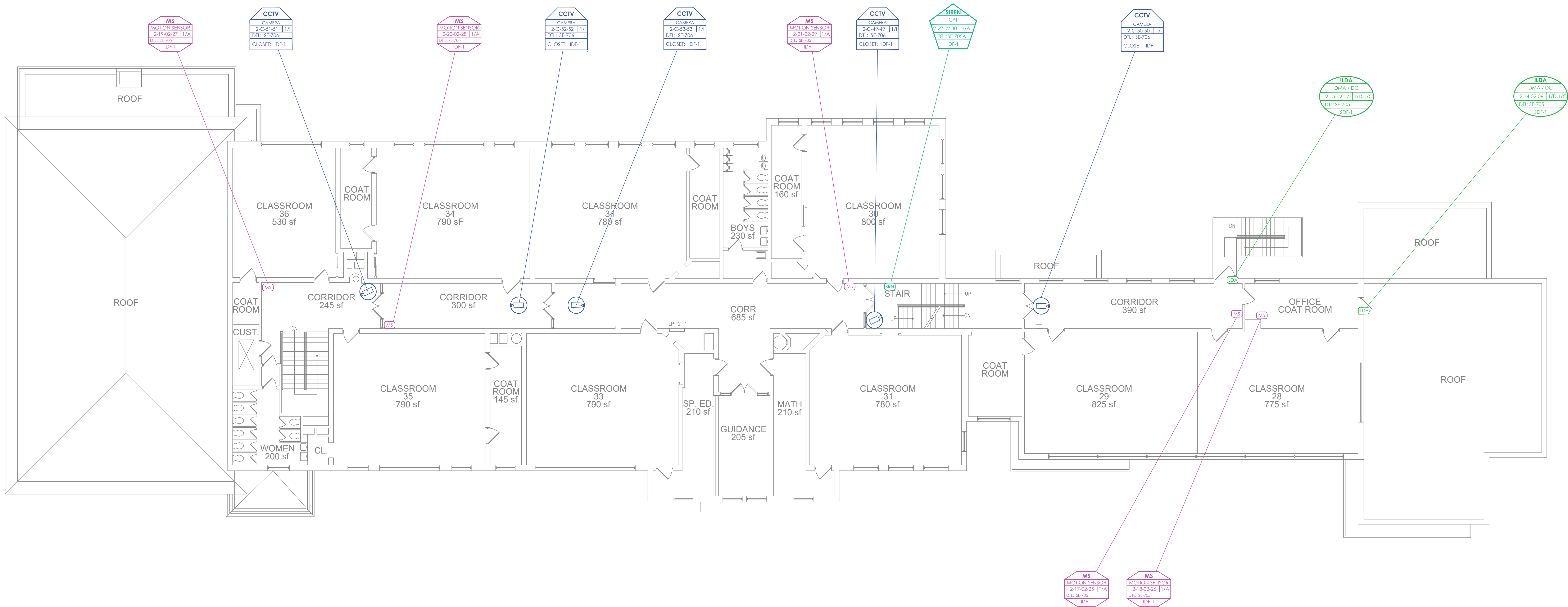
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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:
COVER SHEET /
LEGEND & INDEX

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE: 11/27/2019	
XXXXXX	SCALE:	NTS
S.A. NO:	DRAWING NO:	
XXXXXX	SE-000	





- NOTES:
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 7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND 'AS BUILT' SET IN BOTH 'D' SEE HARD COPY (2 SETS) AND A CD WITH 'PDF' FORMAT.
 8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING, ITG'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

ISSUED FOR:	
DATE	COMMENTS
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10/6/2019	REVISED-ISSUED FOR BID
11/15/2020	REVISED-ISSUED FOR BID

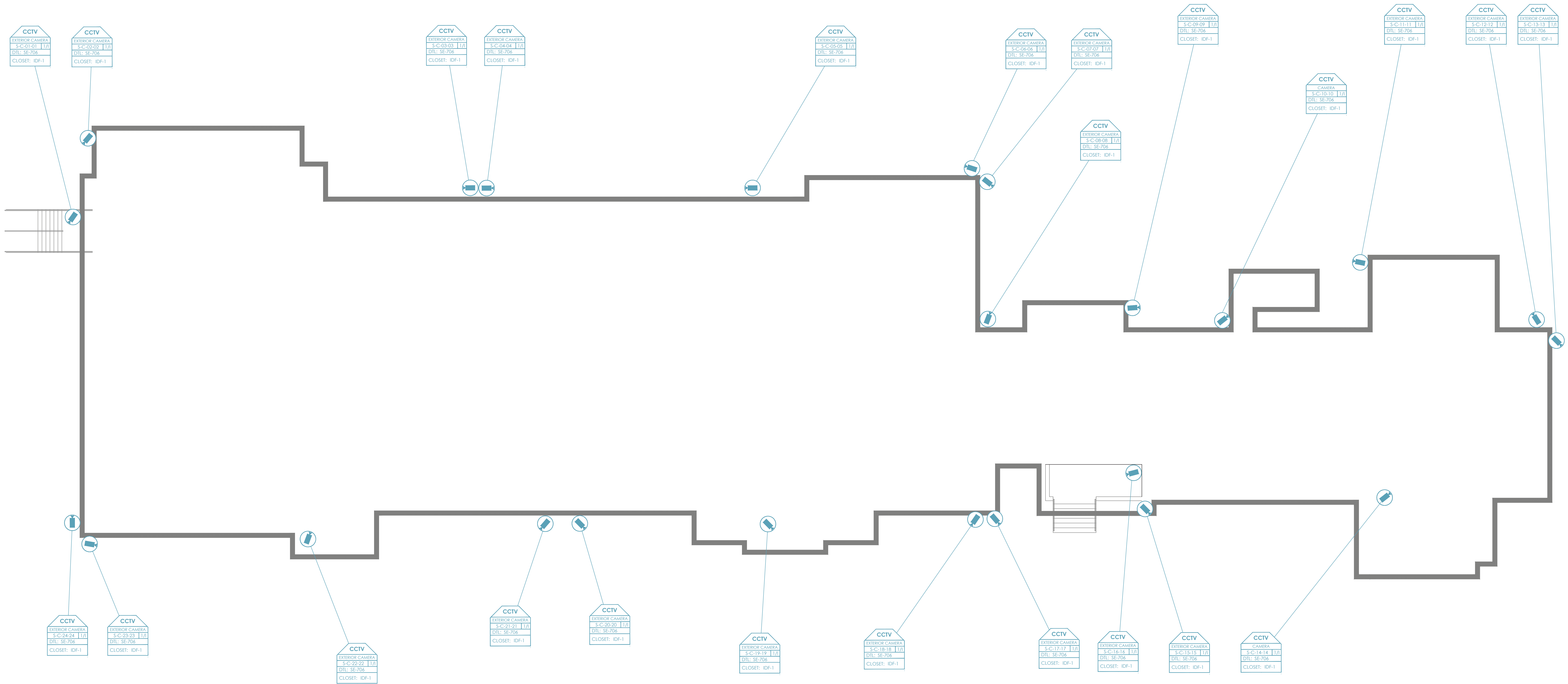
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White Plains, NY 10603

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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:
**SECURITY UPDATE PROJECT
SECOND FLOOR**

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE	11/27/2019
XXXXXX	SCALE:	
S.A. NO:	DRAWING NO:	
XXXXXX	SE-102	



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 3. CONTRACTOR TO VERIFY CAMERAS FIELD OF VIEW AND ADJUST AS NEEDED TO THE SATISFACTION OF RISE SECURITY MANAGER.
 4. PRIOR TO PULLING CAT-6 WIRES, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT TO EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.
 5. ALL CAT-6 CABLES TO BE TESTED AND CERTIFIED AS PER BID DOCUMENT.
 6. CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE "AS BUILT".
 7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND "AS BUILT" SET IN BOTH "PDF" SEEHARD COPY (2 SETS) AND A CDD WITH "PDF" FORMAT.
 8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING, ITG'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

ISSUED FOR:

DATE	COMMENTS
1/10/2018	ISSUED FOR REVIEW / APPROVAL
2/18/2019	ISSUED FULL SET FOR APPROVAL
2/19/2019	REVIEWED & REVISED-ISSUED FOR APPROVAL
7/15/2019	REVISED
8/26/2019	ISSUED FOR BID
10/6/2019	REVISED-ISSUED FOR BID
11/15/2020	REVISED-ISSUED FOR BID



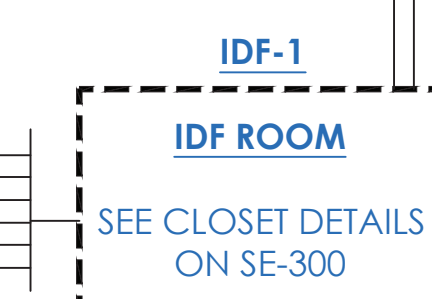
ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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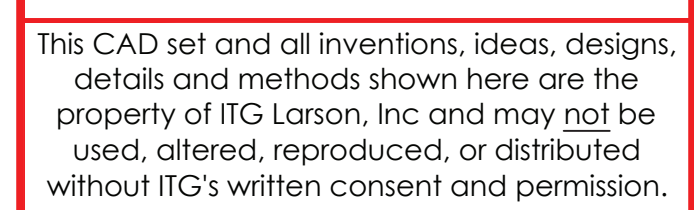
PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:
**SECURITY UPDATE PROJECT
SITE PLAN**

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE	11/27/2019
XXXXXX	SCALE:	
S.A. NO:	DRAWING NO:	SE-103
XXXXXX		



- | ISSUED FOR: | |
|-------------|--|
| DATE | COMMENTS |
| 1/10/2018 | ISSUED FOR REVIEW / APPROVAL |
| 2/18/2019 | ISSUED FULL SET FOR APPROVAL |
| 2/19/2019 | REVIEWED & REVISED-ISSUED FOR APPROVAL |
| 7/15/2019 | REVISED |
| 8/26/2019 | ISSUED FOR BID |
| 10/6/2019 | REVISED-ISSUED FOR BID |
| 11/15/2020 | REVISED-ISSUED FOR BID |



TITLE:

SECURITY DEVICE
RISER DIAGRAM

I.T.		C.A.		E.M.	
DESIGNED BY		DRAWN BY		CHECKED BY	
WORK ORDER NO:		DATE: 11/27/2019			
XXXXXXX		SCALE: NO SCALE			
S.A. NO:		DRAWING NO:			
XXXXXXX		SE-200			



NOTES:

1. SERVICE PLACEMENT, RISE DEFLECTION, CABLE TYPES AND ROUTES, DEVICE TERMINATION AND OTHERS ARE FOR REFERENCE ONLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR ENGINEERING AND VERIFYING ALL OF THE ENTIRE DRAWINGS SET AND SPECIFICATIONS, VERIFY ALL CONDITIONS, CONDITIONS AND DELIVER A TURN KEY SOLUTION TO C/P/6.06.
3. CONTRACTOR TO VERIFY CAMERAS BLEED OF VIDEO SIGNAL AS NECESSARY TO OBTAIN SATISFACTION OF BOE SECURITY MANAGER.
4. PRIOR TO PULLING CABLES & WIRES, CONTRACTOR TO VERIFY CABLES DO NOT EXCEED 300' TO BE AVOIDED TO BE IN CLOSE CLOSET.
5. ALL CAT 6 CABLES TO BE TESTED AND CERTIFIED AS PER BID DOCUMENT.
6. CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDER RISES AND NOTE ON AS-BUILT.
7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND, PRINTED SET IN BOTH COLOR AND COPY (2 SETS) AND A CD WITH .PDF FORMAT.
8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM TESTING, INCLUDING, IT'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

ISSUED FOR:	
DATE	COMMENTS
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8/26/2019	ISSUED FOR BID
10/6/2019	REVISED-ISSUED FOR BID
01/15/2020	REVISED-ISSUED FOR BID



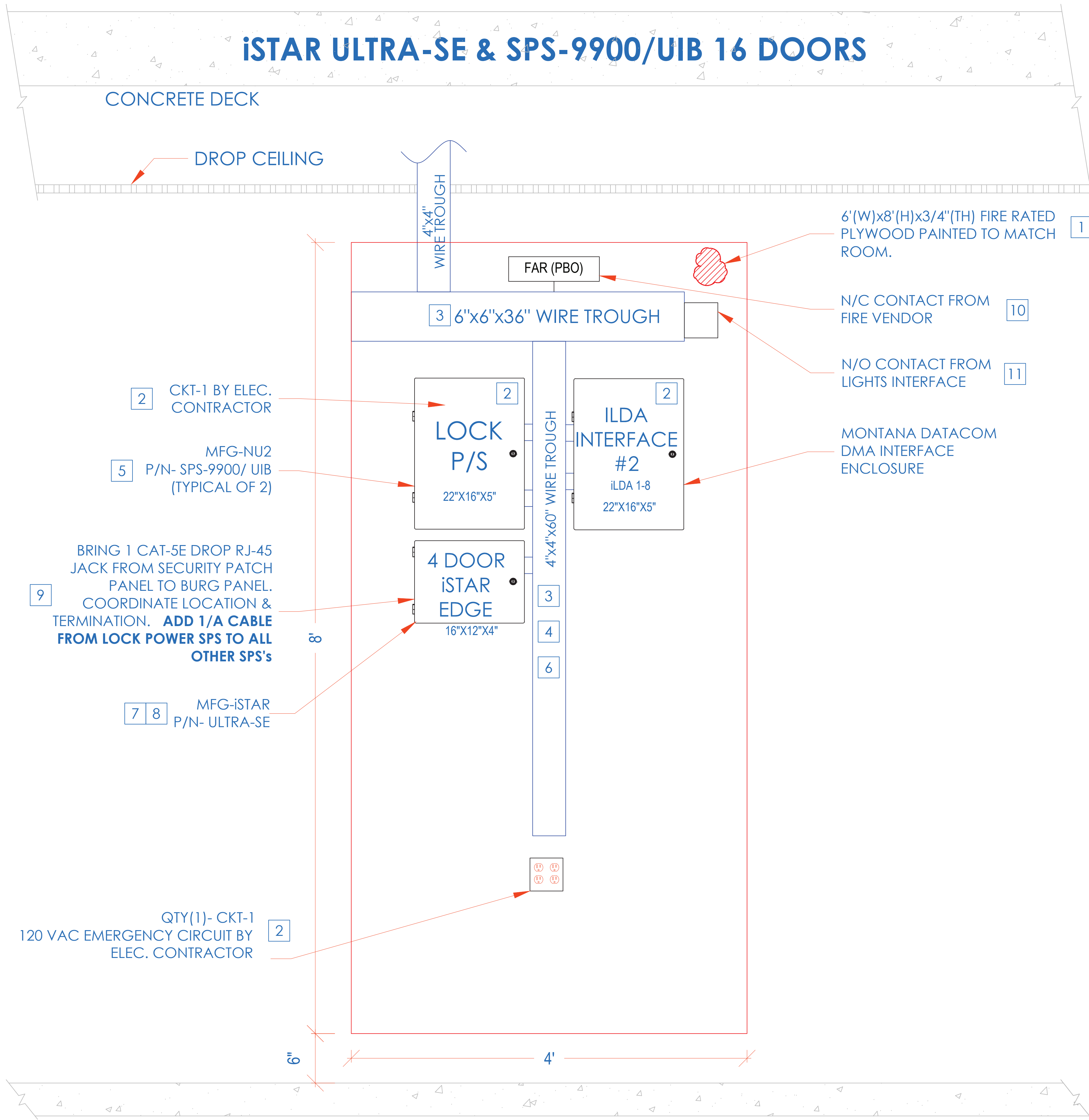
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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:

CLOSET ELEVATIONS
IDF-1

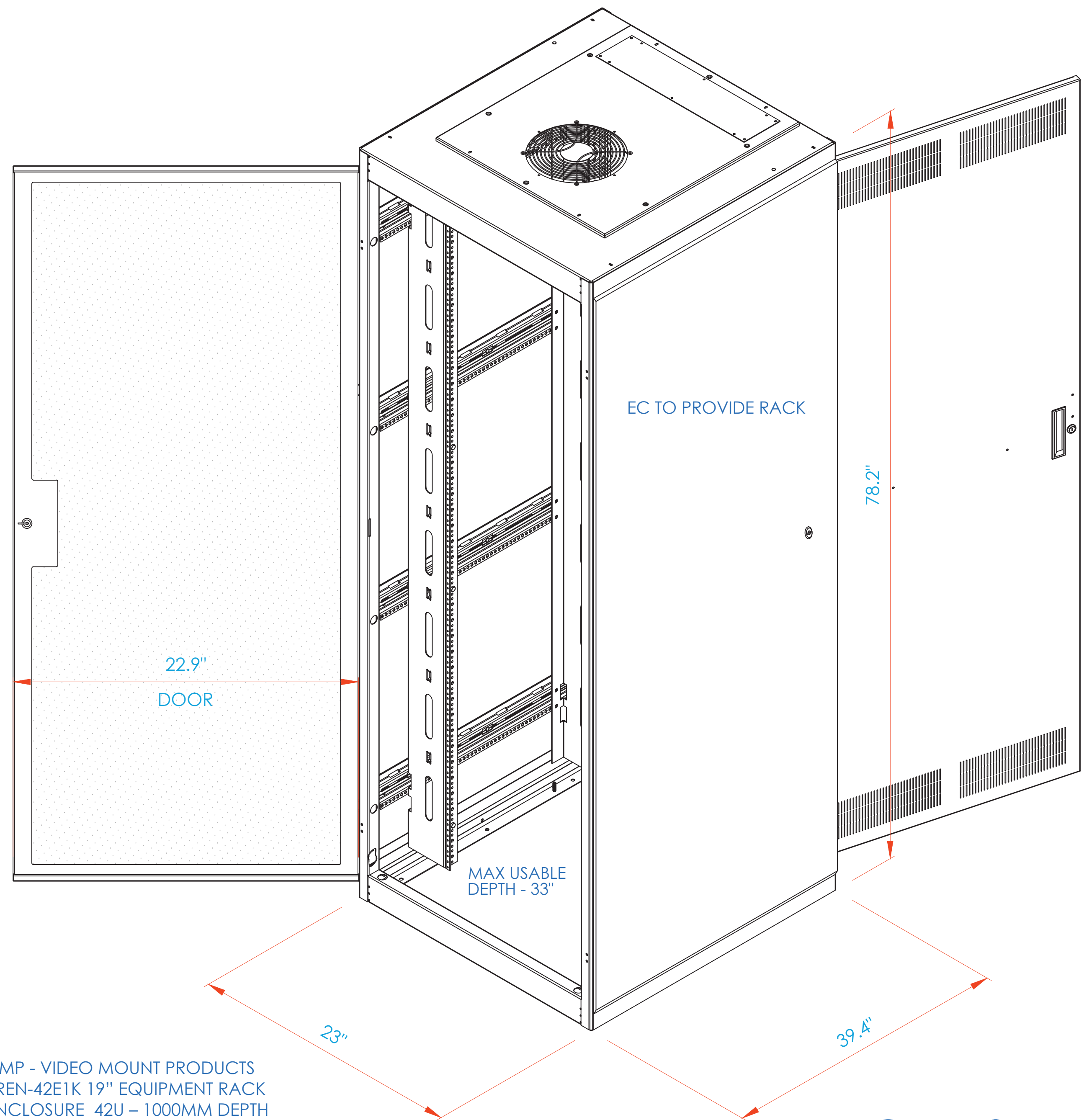
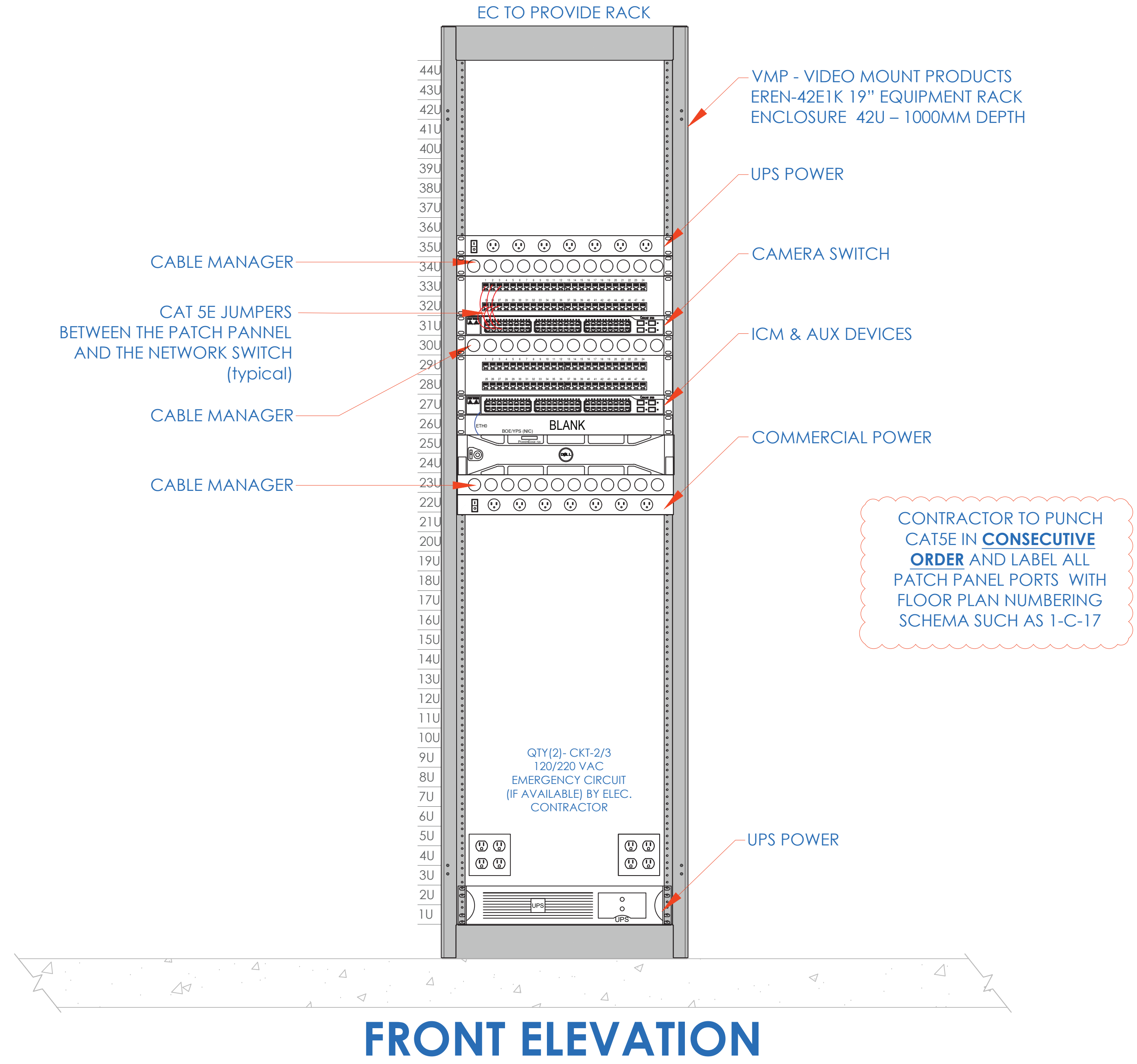
I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO: XXXXXX	DATE: 11/27/2019	SCALE: N.T.S.
S.A. NO: XXXXXX	DRAWING NO: SE-300	



INSTALLATION PROCEDURE ISTAR ULTRA SE WITH SPS-9900/ UIB ACCESS CONTROL HEADEND

- LAYOUT EQUIPMENT TO BE MOUNTED AT DESIGNATED PLYWOOD (FIRE RATED AND PAINTED TO MATCH ROOM) BOARD IN SDF ROOM IN ACCORDANCE WITH THE PROVIDED ELEVATIONS HERE. STEPS KEYED ON THE DRAWINGS ARE NOTED BELOW.
- COMPLETE INSTALLATION OF 120VAC/20A DEDICATED CIRCUIT AS SHOWN.
- FURNISH AND INSTALL A 6"x6"x48" CABLE TROUGH WITH SCREW FASTENED REMOVABLE COVER (NEMA TYPE 1), MOUNTED HORIZONTALLY, ON THE PLYWOOD 4" FROM THE TOP EDGE OF PLYWOOD.
- FURNISH AND INSTALL A 4"x4"x60" CABLE TROUGH WITH SCREW FASTENED REMOVABLE COVER (NEMA TYPE 1), MOUNTED VERTICALLY, CENTERED ON THE PLYWOOD ADJOINING TO HORIZONTAL TROUGH. PROVIDE PUNCH OUTS TO MATCH THE EQUIPMENT AS SHOWN.
- MOUNT THE UTILITY ENCLOSURE 4" FROM BOTTOM EDGE OF VERTICAL TROUGH.
- FURNISH AND INSTALL 2" COUPLERS (SEE DRAWING ABOVE FOR QTY.) FROM THE LOCK POWER SUPPLY (SPS-9900/UIB) TO THE CENTER TROUGH AS SHOWN. DO NOT ENTER BOTTOM OF P/S (INTERFERES WITH BATTERY).
- FURNISH AND INSTALL 1-1/2" COUPLERS (SEE DRAWING ABOVE FOR QTY.) FROM THE ISTAR ULTRA SE TO THE CENTER TROUGH AS SHOWN.
- MOUNT [ISTAR ULTRA SE] ENCLOSURE 1" BELOW THE LOCK POWER SUPPLY. FURNISH AND INSTALL 2" COUPLERS (SEE DRAWING ABOVE FOR QTY.) FROM [ISTAR ULTRA SE] ENCLOSURE TO THE CENTER TROUGH AS SHOWN.
- BRING CAT-5 CABLE AND/OR MOUNT AN RJ-45 JACK FOR PANEL DATA COMM, FROM NEAREST NETWORK SWITCH TO HERE. COORDINATE TERMINATION WITH TELECOM VENDOR OR CUSTOMER'S DATA CONSULTANT. **ADD 1/A CABLE FROM LOCK POWER SUPPLY (SPS) TO ALL OTHER SPS's.**
- COORDINATE WITH MEP/ BLDG MANAGEMENT TO PROVIDE ONE SET OF NORMALLY CLOSED (N/C) DRY CONTACT FROM THE SITE'S FIRE ALARM SYSTEM, TO OPEN ON GENERAL ALARM ACTIVATION. (PROVIDED BY FIRE VENDOR).ELECTRIC LOCKS MUST BE FAIL SAFE FOR THIS FUNCTIONALITY. PERFORM SAME FOR HALLWAY LIGHTS INTERFACE
- PROVIDE 18/2 PAIR OF WIRES FROM BUILDING'S LIGHTING SYSTEM. ARRANGE SUCH THAT DESIGNATED BUILDING'S LIGHTS ARE TURNED ON WHEN THE SECURITY SYSTEM CLOSES THE CIRCUIT
- ALL CONDUITS AND CONNECTIONS SHALL BE INSTALLED TO REQUIRED ENCLOSURES AS NEEDED PER DIAGRAM PROVIDED.
- ALL CONNECTIONS BETWEEN PANELS & TROUGHs SHOULD BE CHASE NIPPLES & RIGID COUPLINGS.
- INSTALL TAMPER SWITCHES AND WIRE PANELS IN SERIES TO DESIGNATED INPUT SHOWN ON POINT-TO-POINT CHARTS.

CCTV NETWORK RACK



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 - THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND VERIFYING THE ENTIRE DRAWINGS SET AND SPECIFICATIONS. VERIFY ACTUAL FIELD CONDITIONS AND DELIVER A TURN KEY SOLUTION TO CITY/IDE.
 - CONTRACTOR TO VERIFY CAMERAS FIELD OF VIEW AND ADJUST AS NEEDED TO THE SATISFACTION OF RISE SECURITY MANAGER.
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8/26/2019	ISSUED FOR BID
10/6/2019	REVISED-ISSUED FOR BID
11/15/2020	REVISED-ISSUED FOR BID



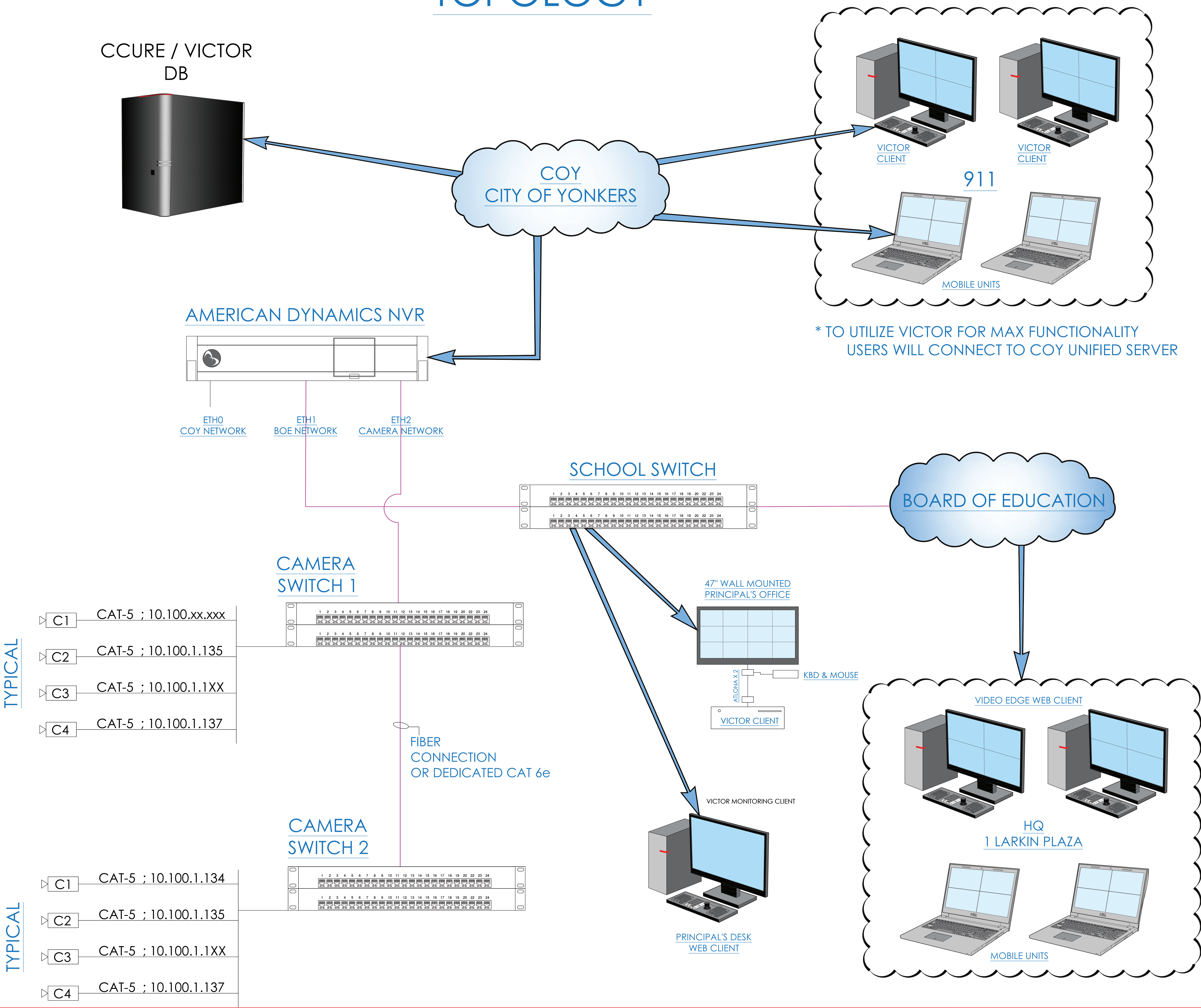
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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:
**CLOSET ELEVATIONS
IDF-2**

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE: 11/27/2019	SCALE: N.T.S.
S.A. NO:	DRAWING NO:	XXXXXX
XXXXXX	SE-301	

COY-BOE SECURITY DEVICE NETWORK TOPOLOGY



- NOTES:
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11/15/2020	REVISED-ISSUED FOR BID

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ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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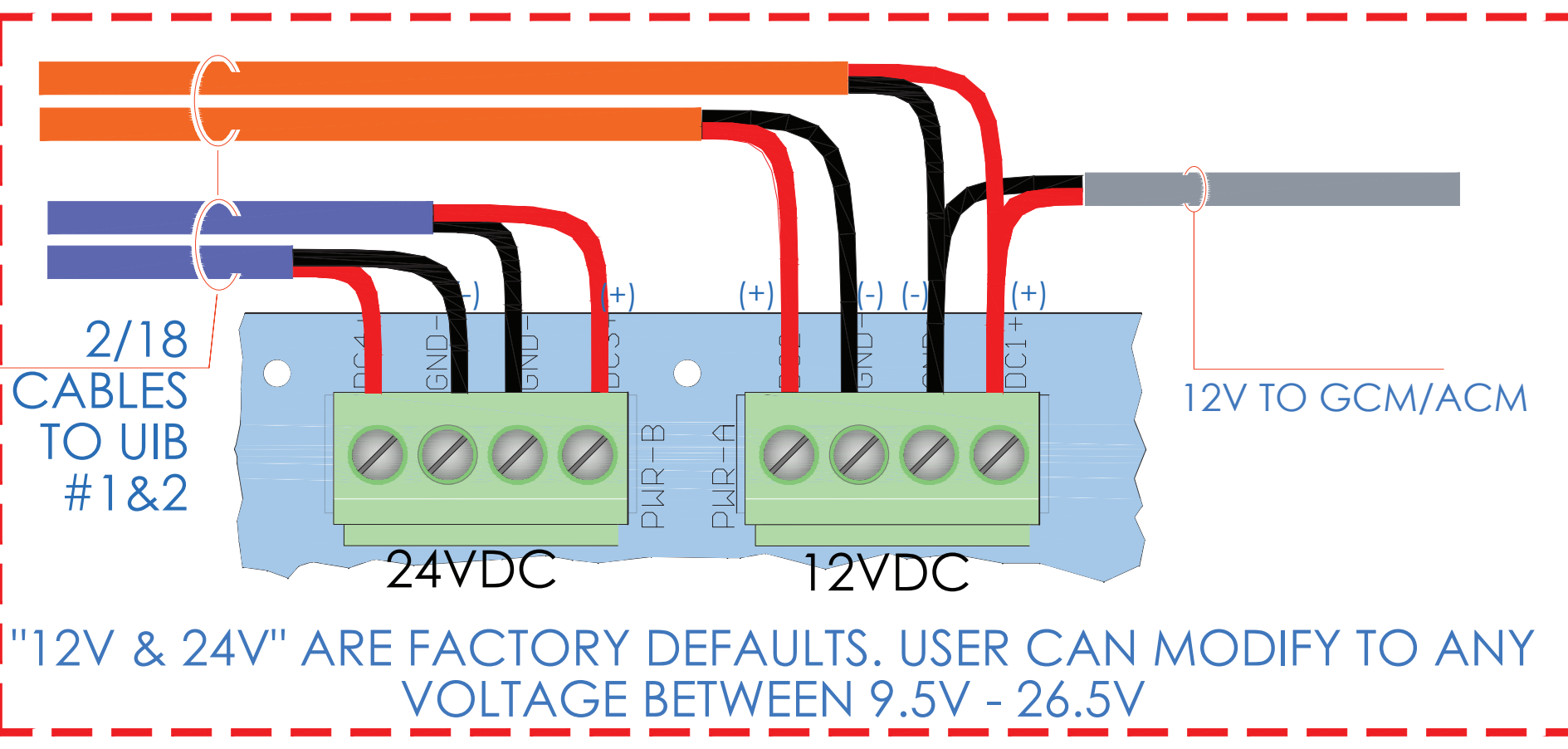
PROJECT:
YONKERS BOE SCHOOLS
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:
CCTV
ONE LINE DIAGRAM

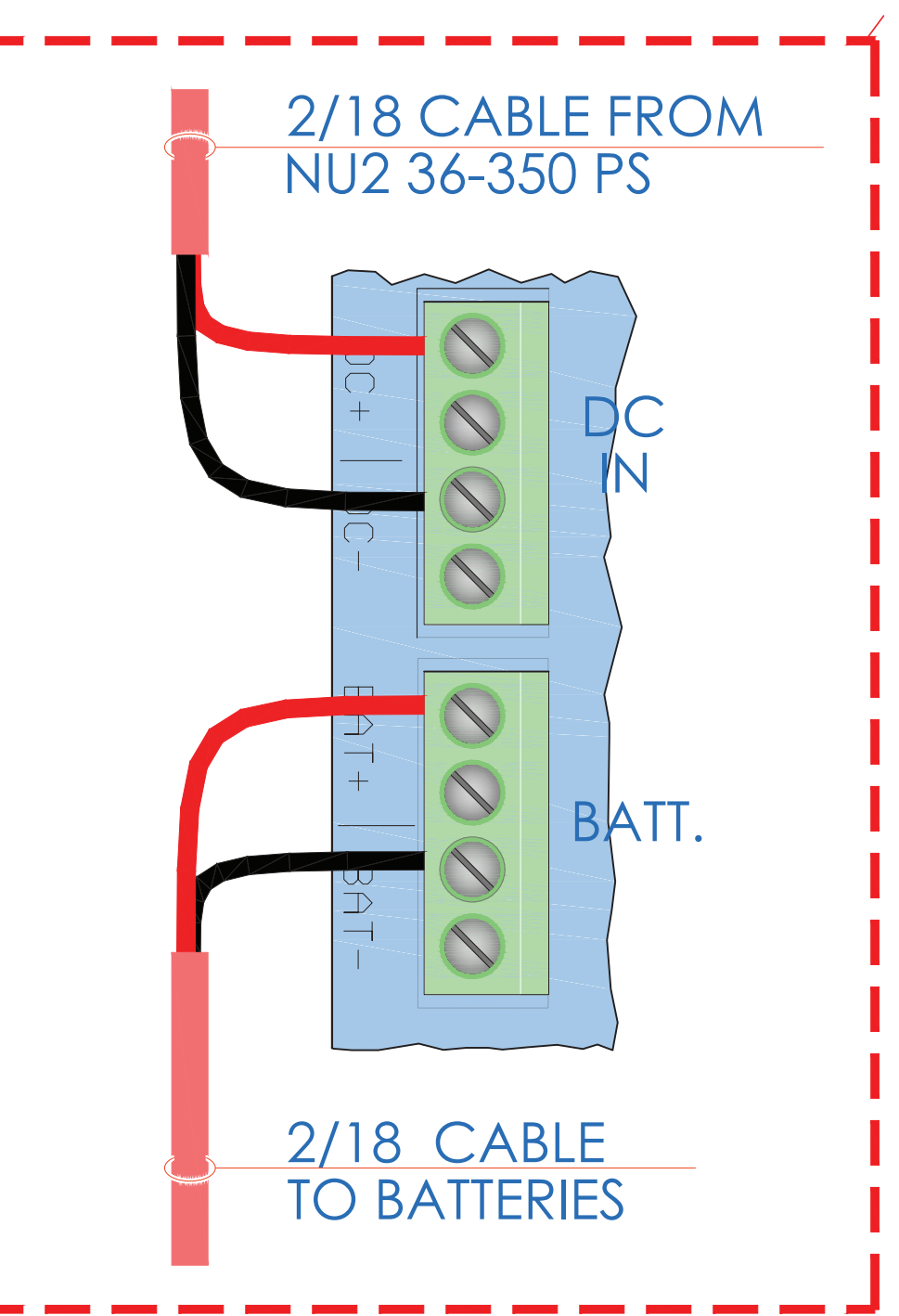
I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE	11/27/2019
XXXXXX	SCALE:	N.T.S.
S.A. NO:	DRAWING NO:	SE-303
XXXXXX		

P-FORCE 1 - WIRING OF SPS/UIB

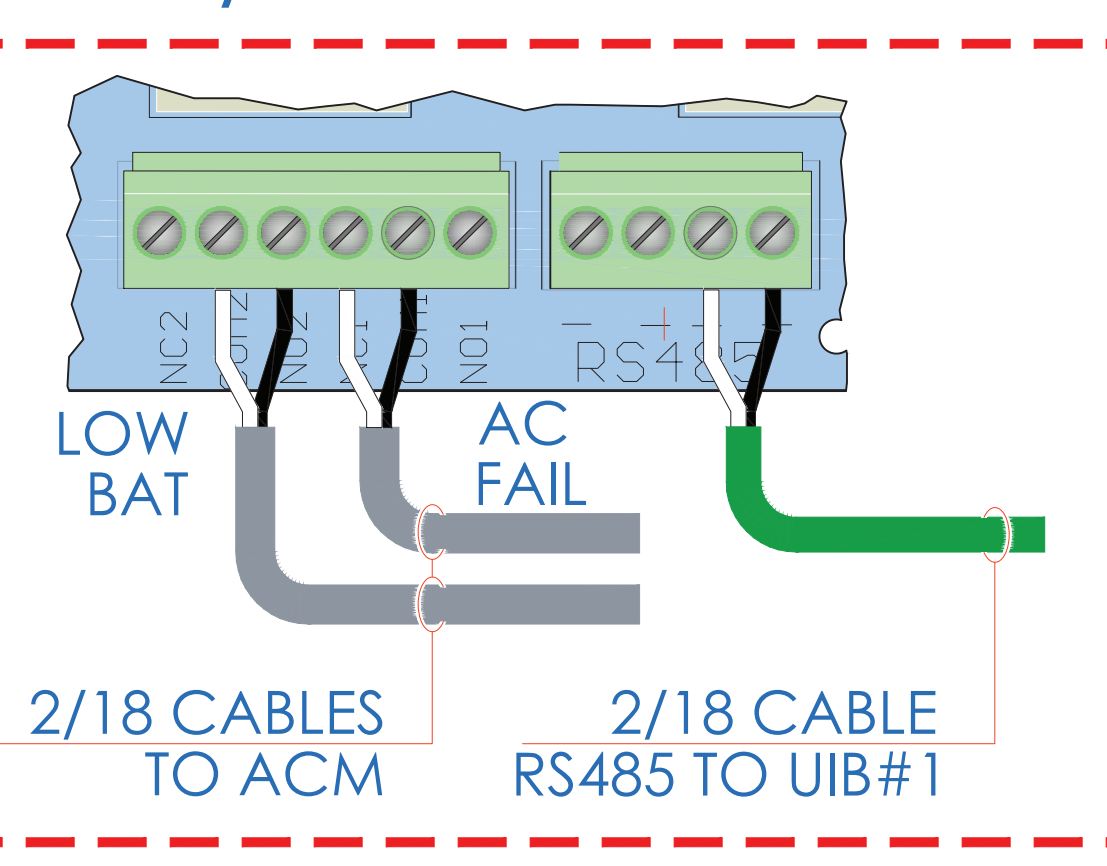
SPS OUT POWER CONNECTIONS



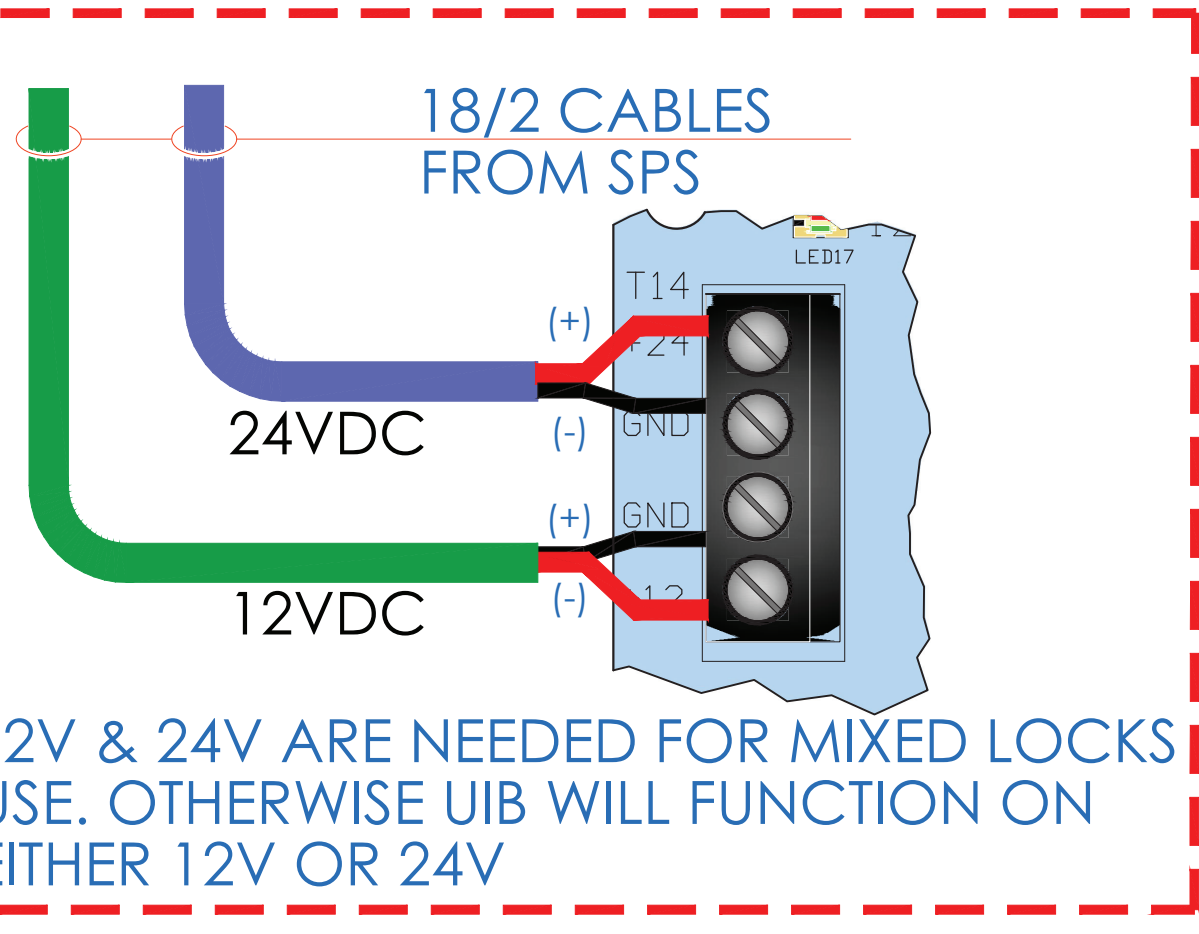
IN PWR & BAT CONNECTION



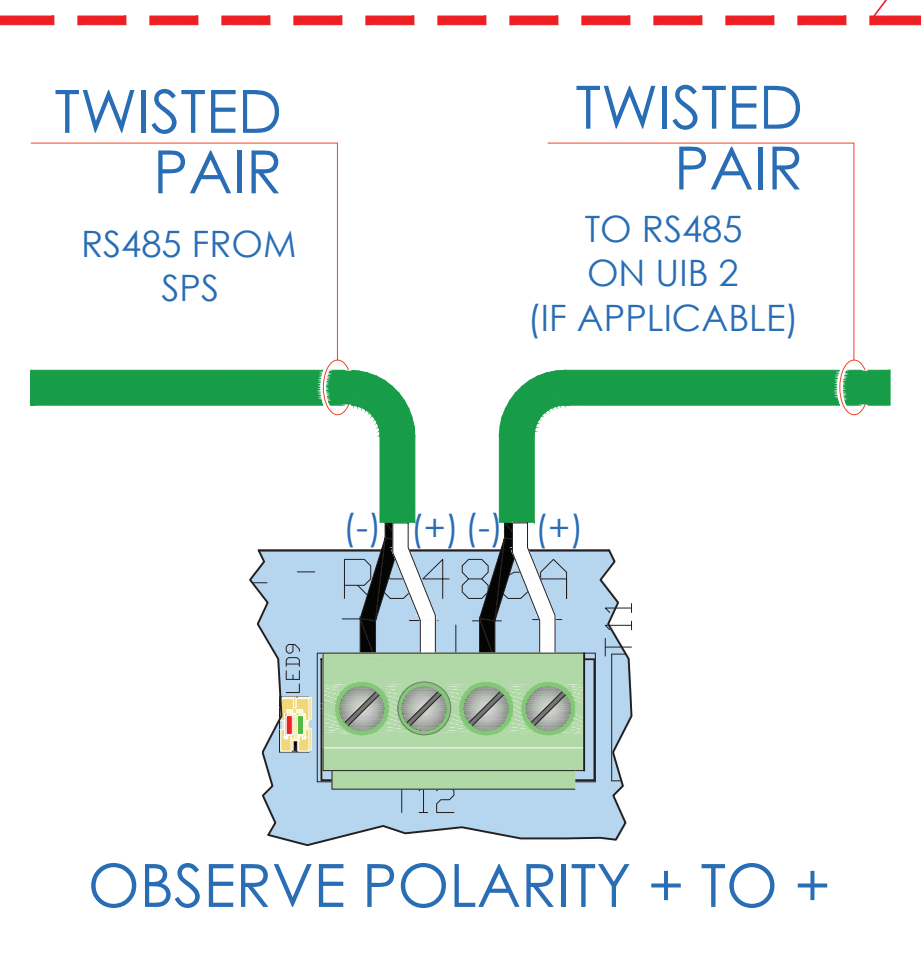
AC FAIL/LO BAT & RS485 COMM



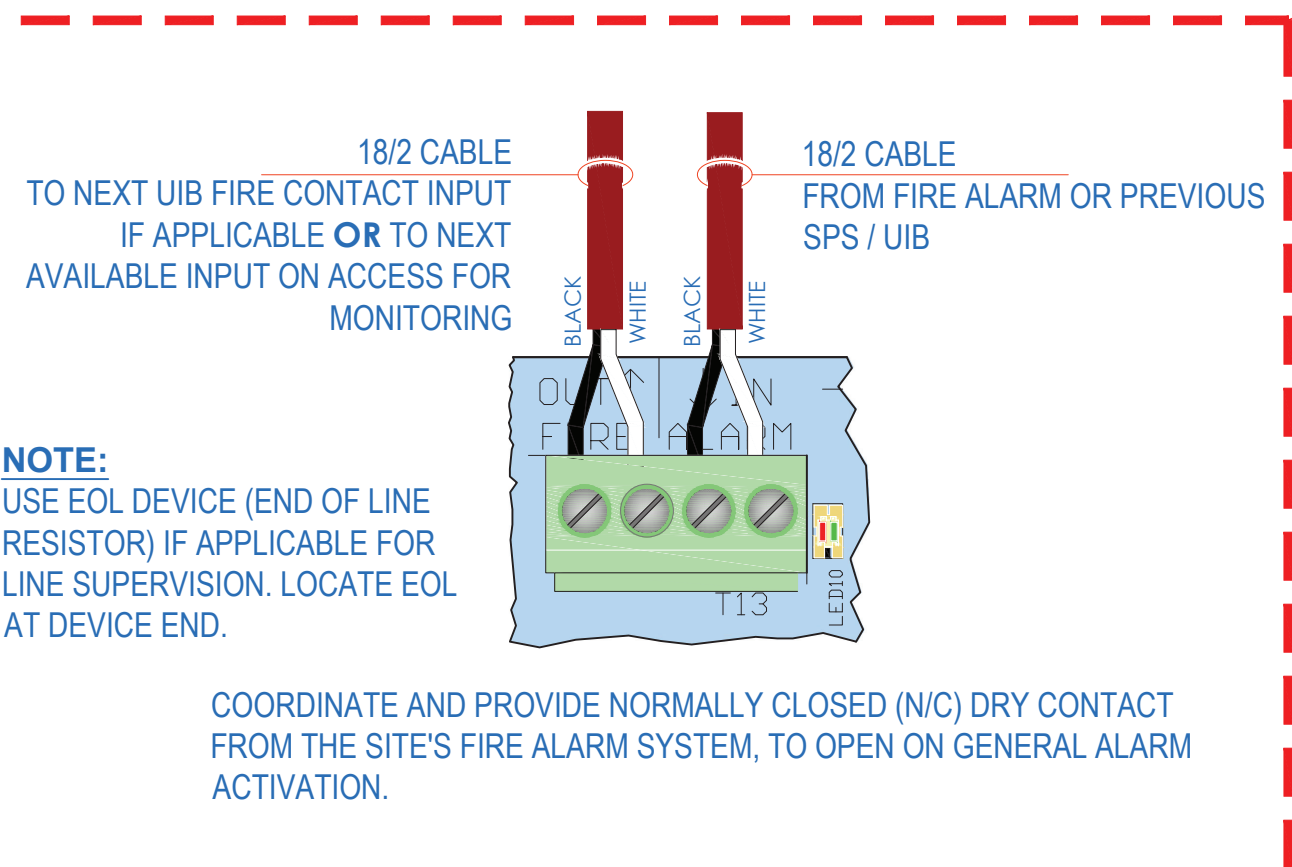
UIB INPUT 12/24VPOWER FROM SPS



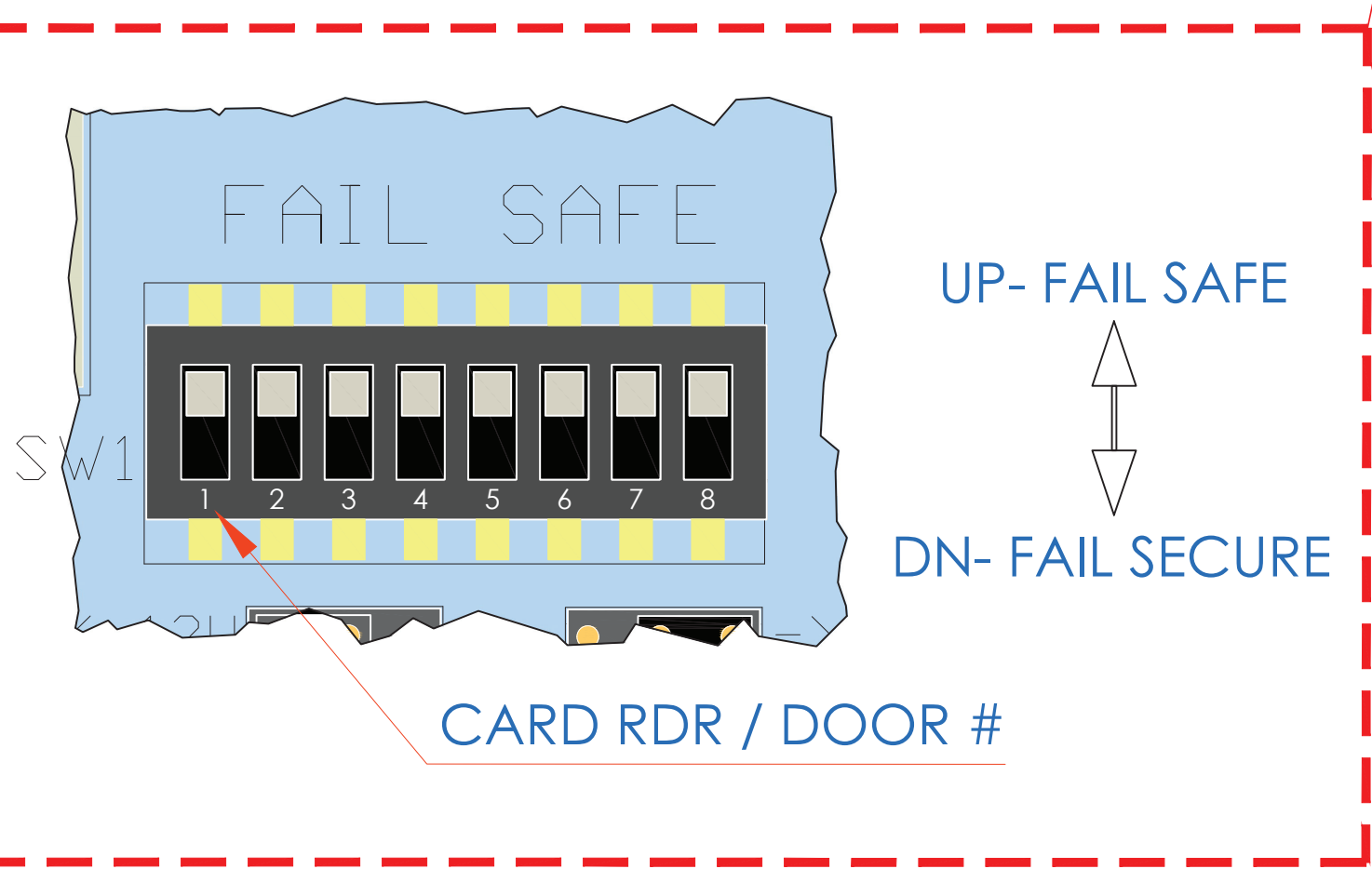
RS485 COMM



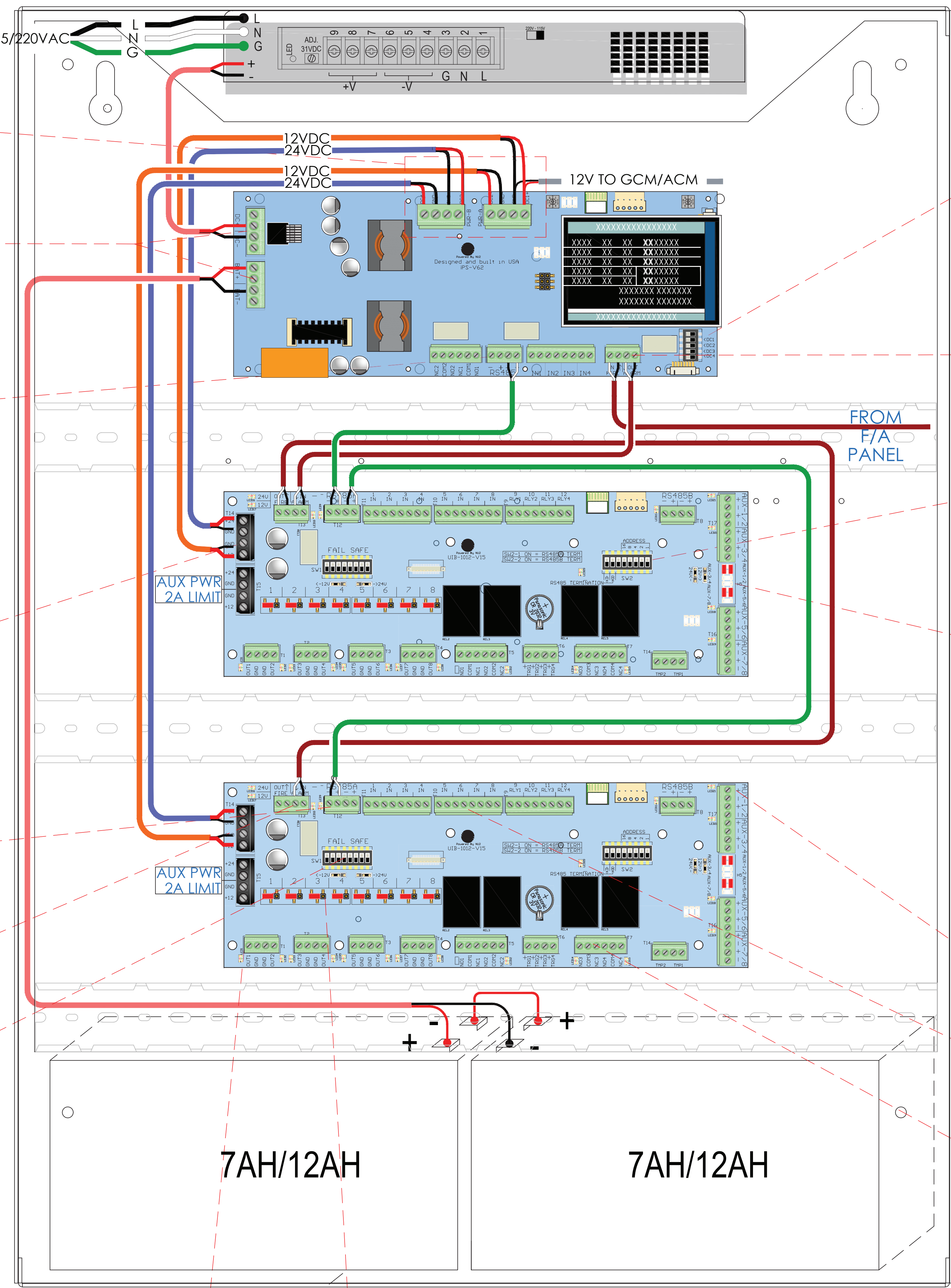
FIRE ALARM INTERFACE



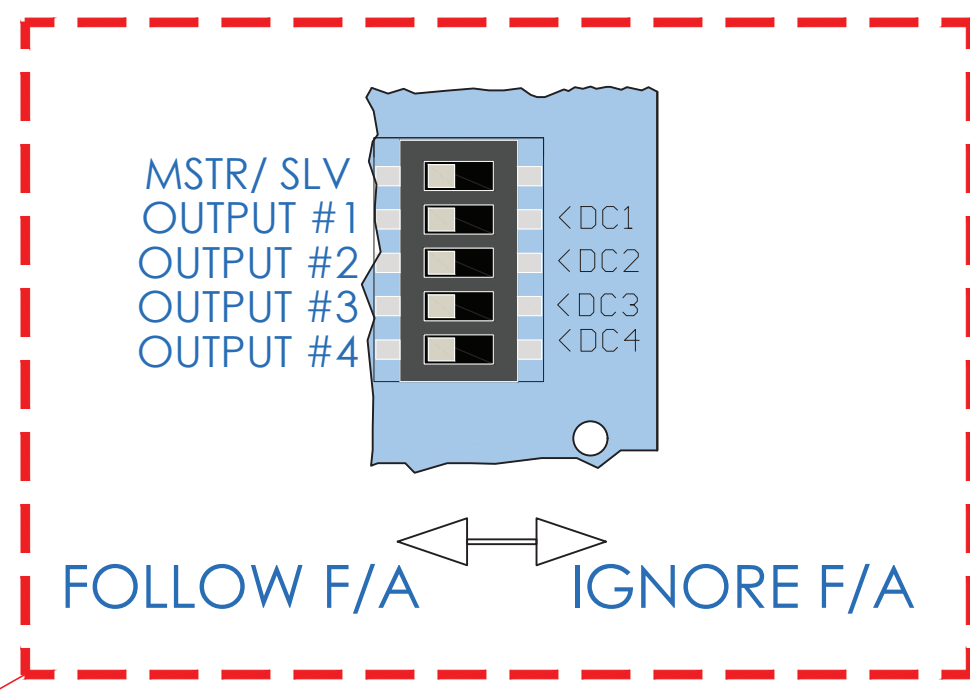
ELECTRIFIED LOCK SELECTOR FAIL SAFE/FAIL SECURE



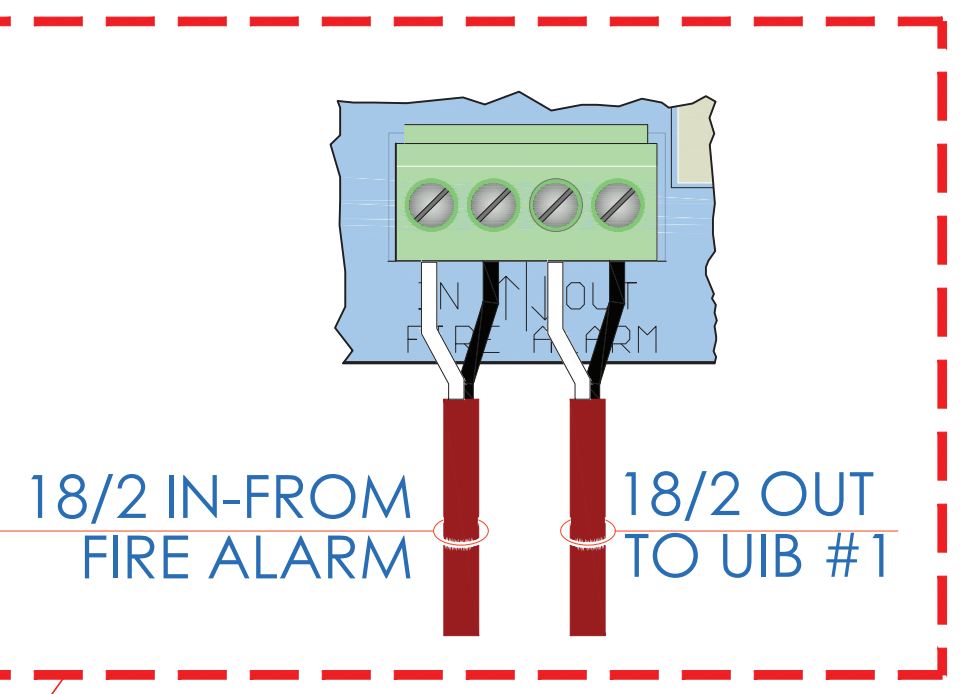
FOLLOW LOCAL AND NATIONAL ELECTRICAL WIRING CODES



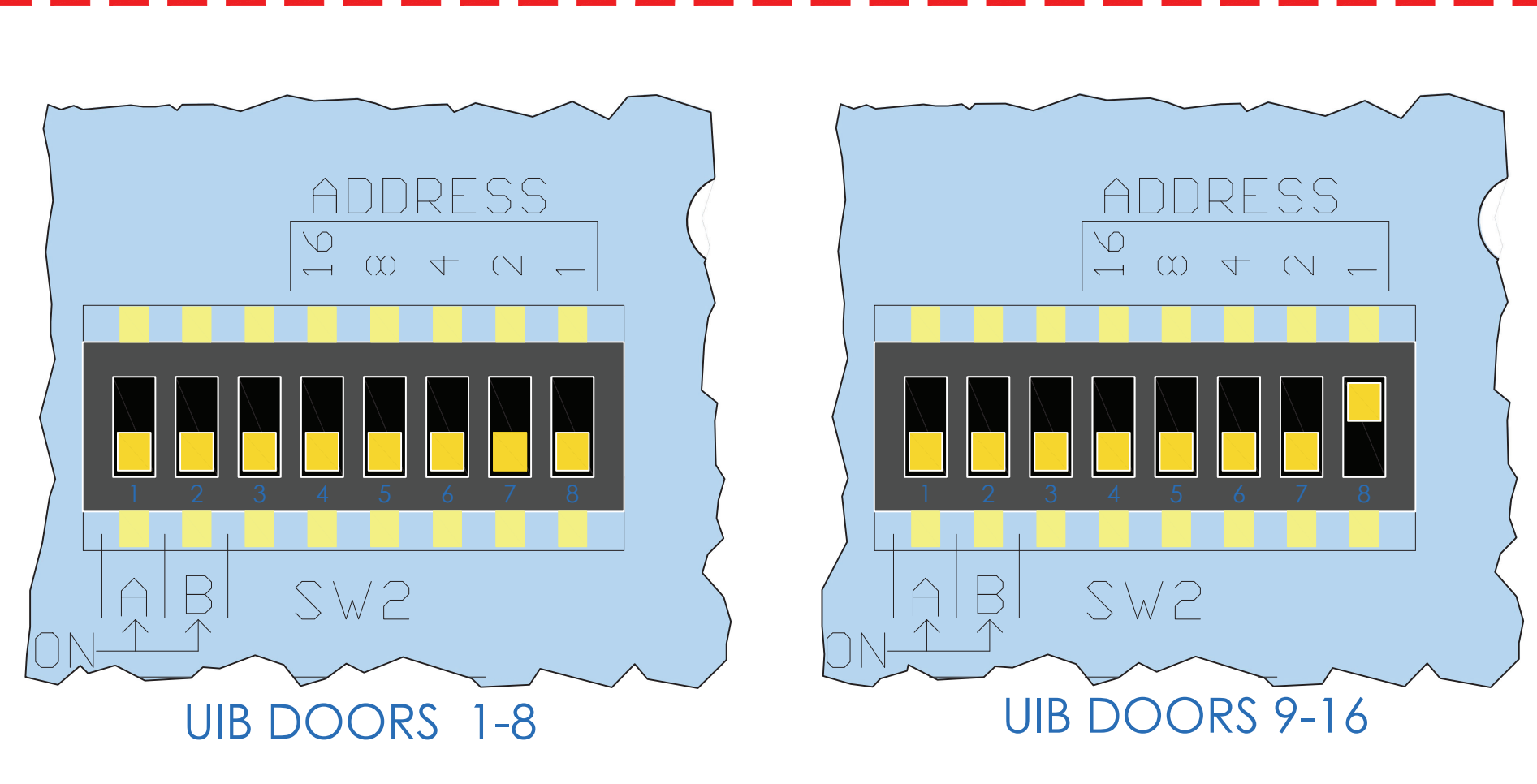
FIRE ALARM OUTPUT CONTROL



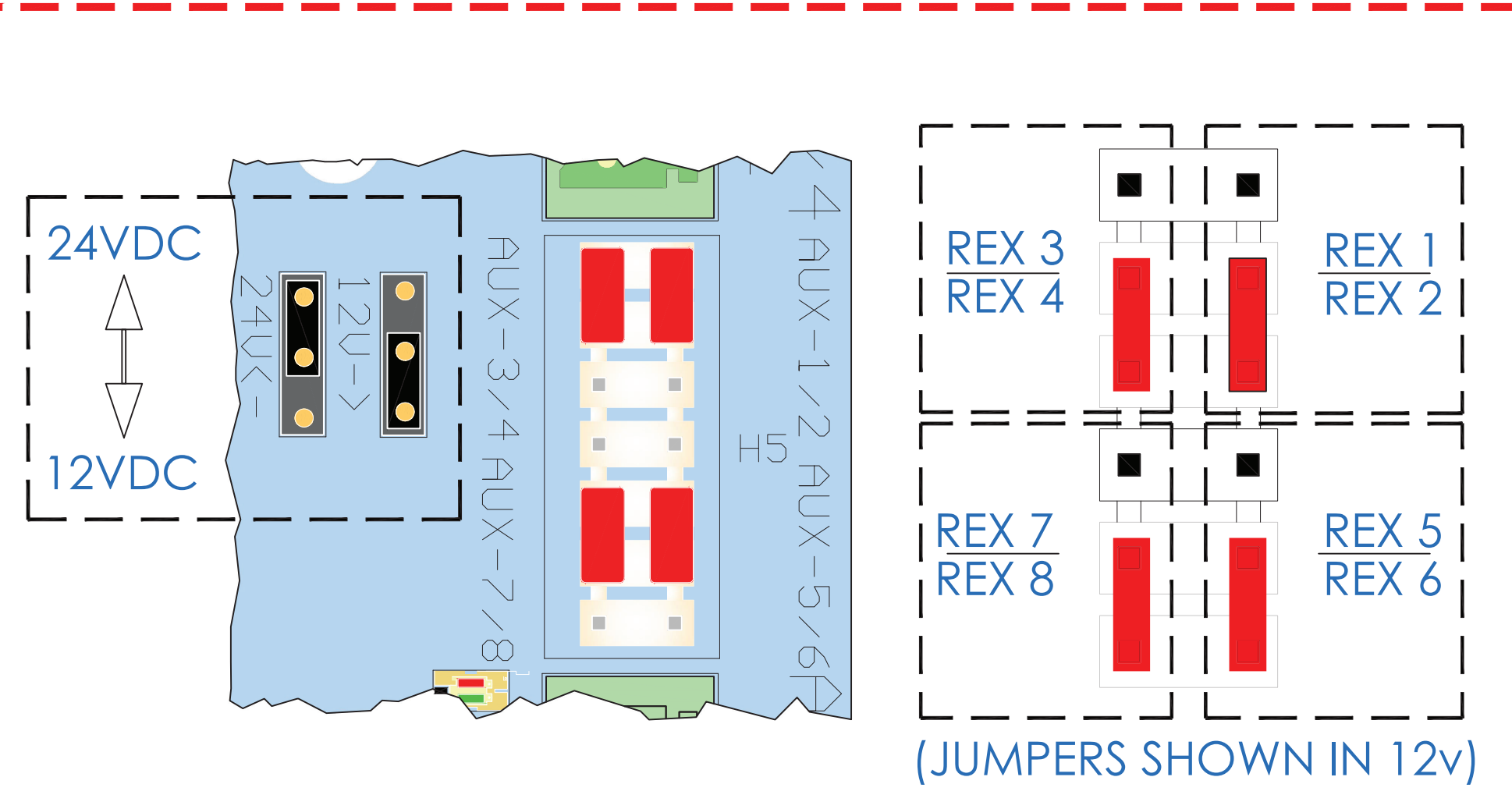
FIRE ALARM



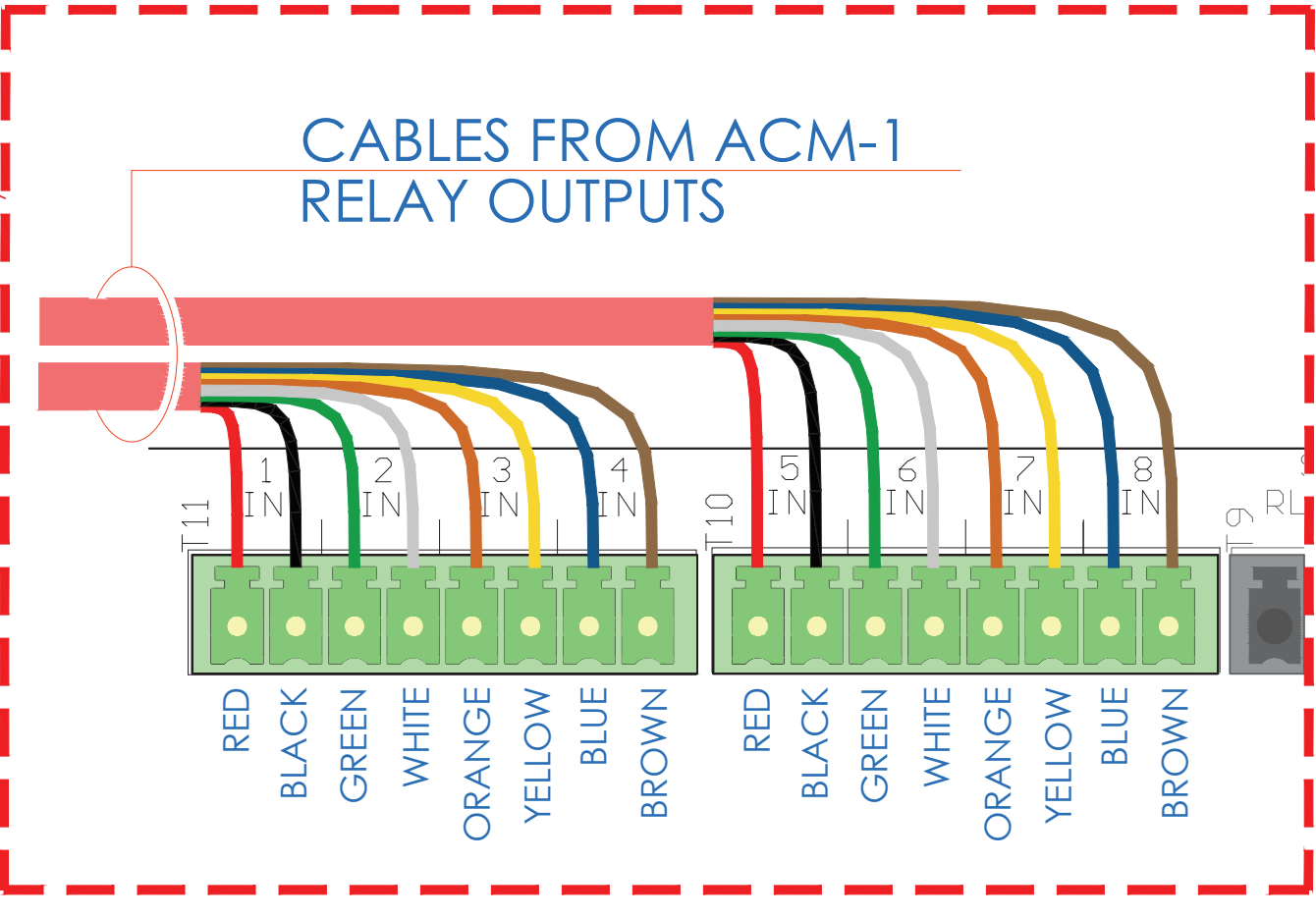
DIP SWITCH SETTINGS FOR DOOR ADDRESSING



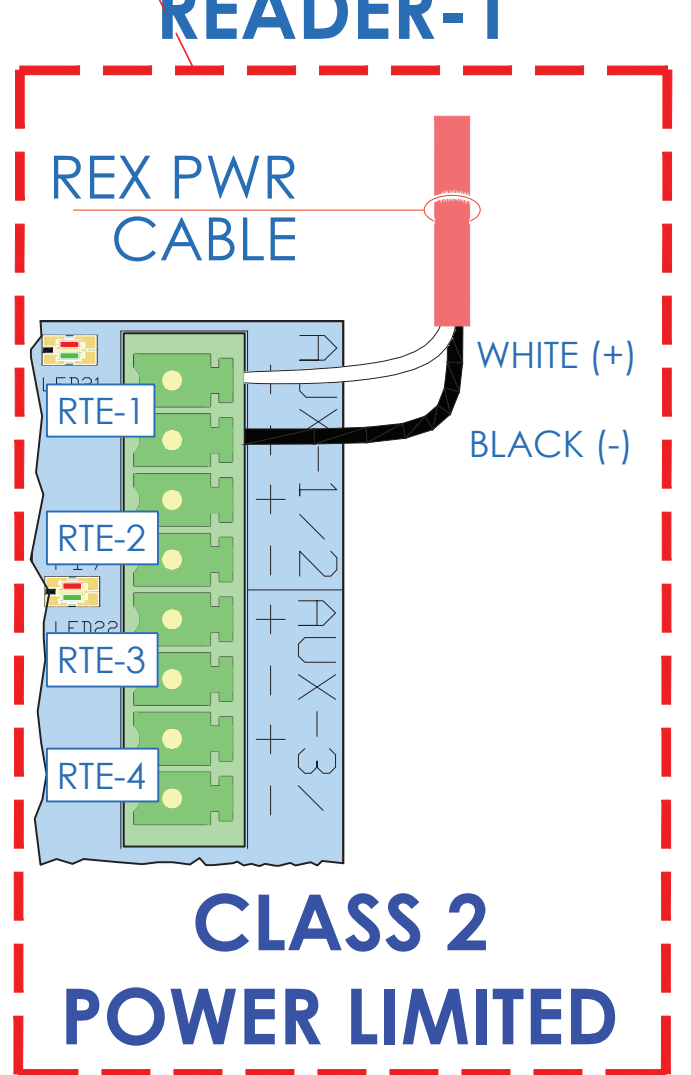
RTE POWER SETTINGS FOR DOORS 1 THRU 8



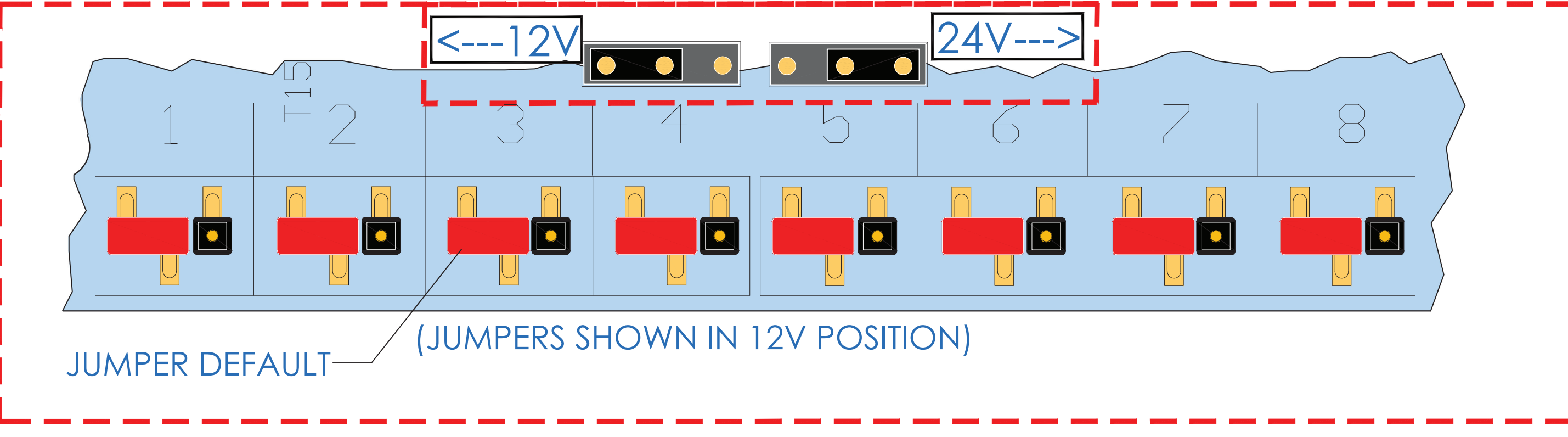
TYP. UIB INPUT CONNECTIONS



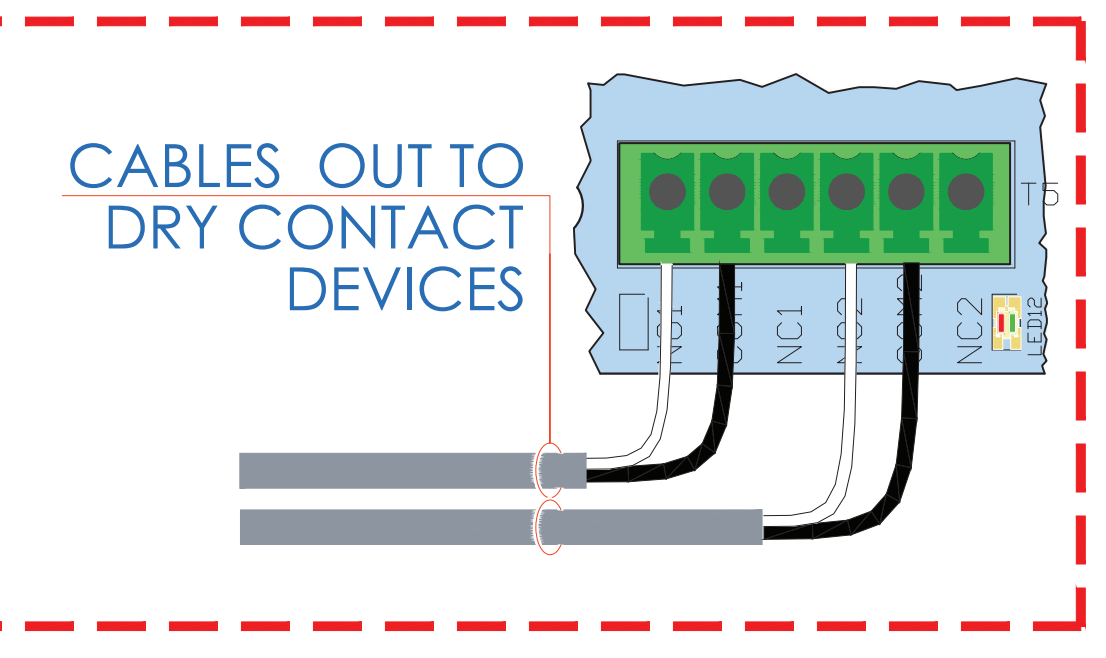
RTE POWER FOR READER-1



LOCK VOLTAGE SELECTOR JUMPER SETTINGS



TYPICAL DRY CONTACT CONNECTIONS



- NOTES:
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 3. CONTRACTOR TO VERIFY CAMERA'S FIELD OF VIEW AND ADJUST AS NEEDED TO THE SATISFACTION OF THE SECURITY MANAGER.
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8/26/2019	ISSUED FOR BID	
10/24/2019	REVISED-ISSUED FOR BID	
1/15/2020	REVISED-ISSUED FOR BID	

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White Plains, NY 10603

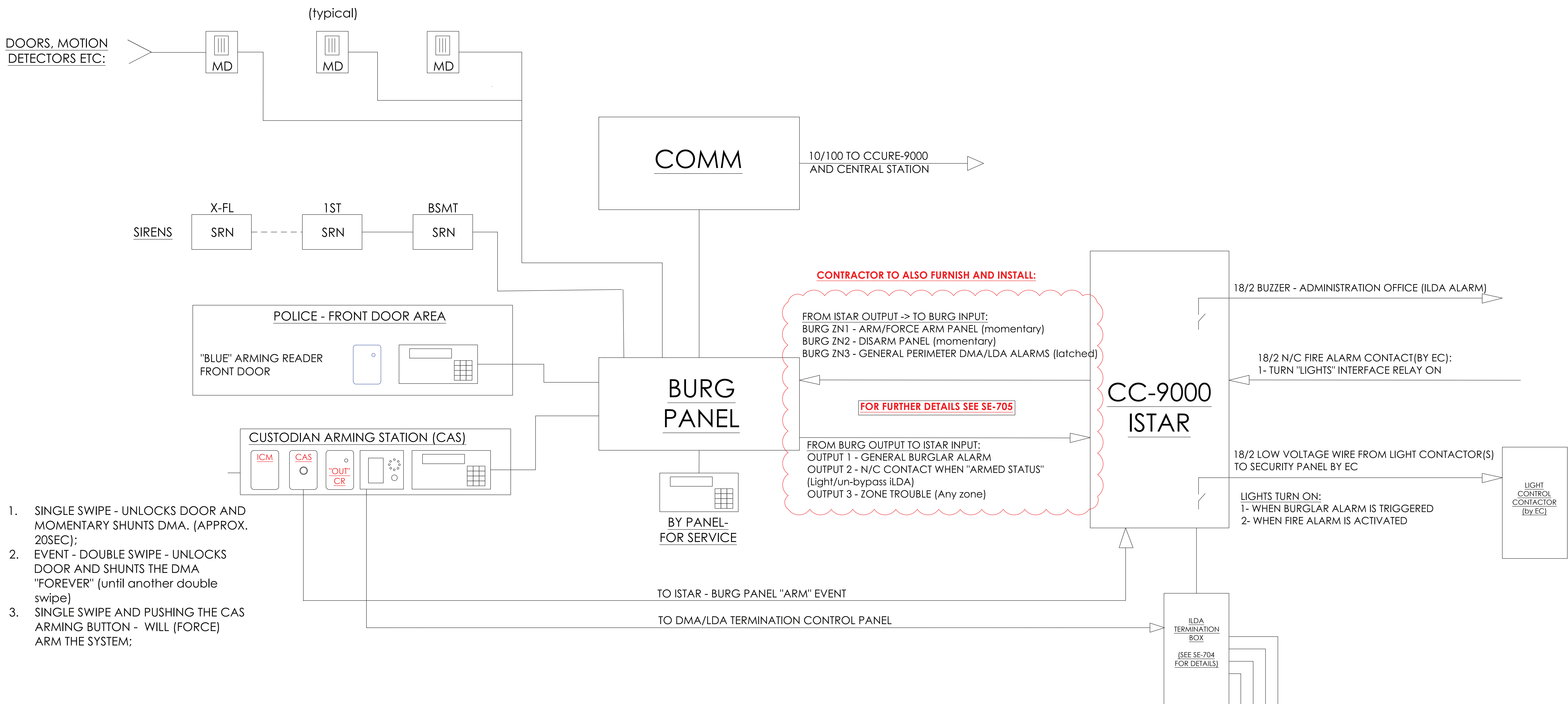
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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:
ISTAR DRAWING WIRING DIAGRAM

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE	11/27/2019
XXXXXX	SCALE:	N.T.S.
S.A. NO:	DRAWING NO:	SE-700
XXXXXX		

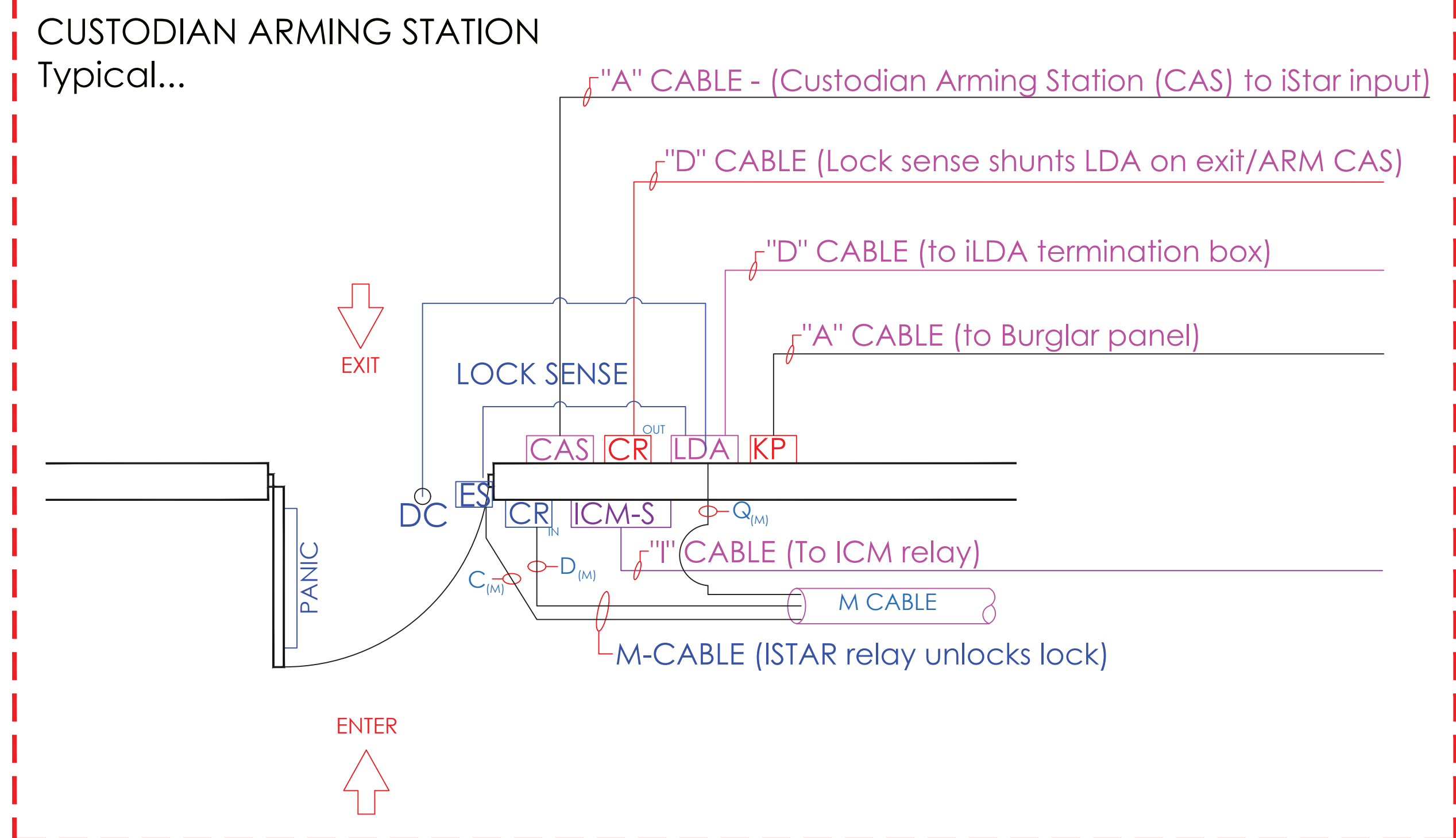
BURGLAR & ACCESS - OVERALL SYSTEMS INTERFACES - ONE LINE



1. SINGLE SWIPE - UNLOCKS DOOR AND MOMENTARY SHUNTS DMA. (APPROX. 20SEC);
2. EVENT - DOUBLE SWIPE - UNLOCKS DOOR AND SHUNTS THE DMA "FOREVER" (until another double swipe)
3. SINGLE SWIPE AND PUSHING THE CAS ARMING BUTTON - WILL (FORCE) ARM THE SYSTEM;

EVENTS PROGRAMMING:

1. ENTERING FROM OUTSIDE:
 - 1.1. UNLOCK CUSTODIAN DOOR USING THE "M" CABLE PORT /RELAY FOR THE "IN READER" (MUST BE ADA PERSON IN CCURE SOFTWARE)
 - 1.2. EVENT - DISARM BURGLAR ALARM VIA API AND DRY CONTACTS (ZN2)
 - 1.3. EVENT - TURN BUILDING'S HALLWAY LIGHTS
 - 1.4. EVENT - SHUNTS DOOR's LDA/DMA USING THE LOCK SENSE FEATURE
2. EXITING FROM INSIDE - PRESENTING A VALID CARD WILL:
 - 2.1. SHUNTS DOOR's LDA/DMA USING THE LOCK SENSE FEATURE
 - 2.2. EVENT - ARM THE "CAS BURG ARMING BUTTON INPUT" FOR 10 SECONDS. IF CAS ARMING IS PUSHED WITHIN THAT 10 SEC OF PRESENTING A CARD, THE BURG PANEL WILL START ARMING USING ZN1 - FORCED ARM
 - 2.3. WHEN BURGLAR PANEL ARMS - SHUT OFF BUILDING'S LIGHTS



NOTE: PERIMETER "DOOR CONTACT" STATUS IS PROVIDED BY THE LDA/DMA VIA THE CC-9000 AND ISTAR AND IS SENT TO THE BURGLAR PANEL VIA API AND HARD WIRED TO ZONE#3. LDA/DMA ALARMS ARE ANNOUNCED AT ADMIN OFFICE VIA LOCAL BUZZER AND EMAIL NOTIFICATIONS

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 7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND "AS BUILT" SET IN BOTH "D" SEE HARD COPY (2.18.19) AND A CD WITH .PDF FORMAT.
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8/26/2019	ISSUED FOR BID
10/6/2019	REVISED-ISSUED FOR BID
11/15/2020	REVISED-ISSUED FOR BID



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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:
BURGLAR & ACCESS INTERFACE

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE	11/27/2019
XXXXXX	SCALE:	N.T.S.
S.A. NO:	DRAWING NO:	SE-701
XXXXXX		

ULTRA SE TYPICAL WIRING DIAGRAM - MOTION REX

READER CONNECTIONS

DOOR CONTACT CONNECTIONS

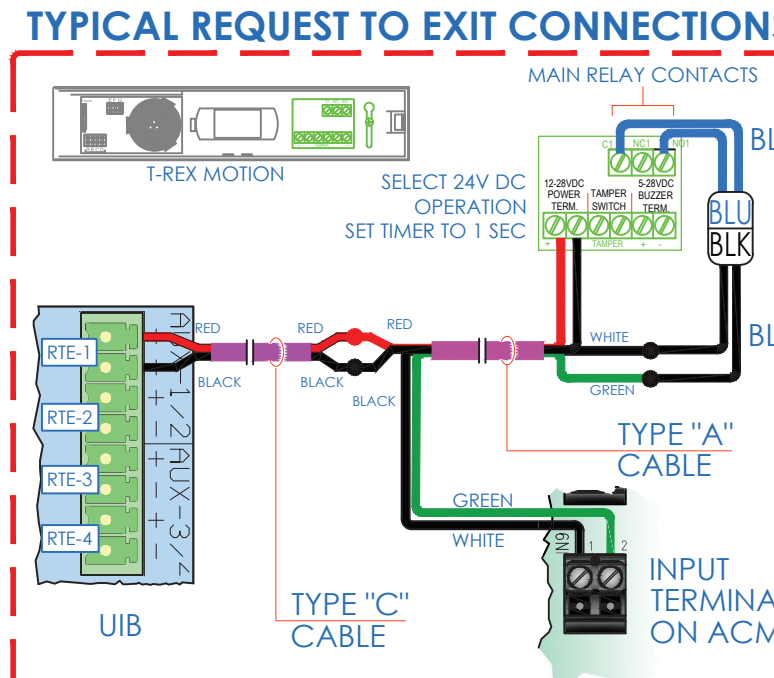
MOTION DETECTION CONNECTIONS

DOOR	iSTAR	
DOOR 1	RDR 1	ACM
DOOR 2	RDR 2	
DOOR 3	RDR 3	
DOOR 4	RDR 4	
DOOR 5	RDR 5	ACM
DOOR 6	RDR 6	
DOOR 7	RDR 7	
DOOR 8	RDR 8	
DOOR 9	RDR 1	ACM
DOOR 10	RDR 2	
DOOR 11	RDR 3	
DOOR 12	RDR 4	
DOOR 13	RDR 5	ACM
DOOR 14	RDR 6	
DOOR 15	RDR 7	
DOOR 16	RDR 8	

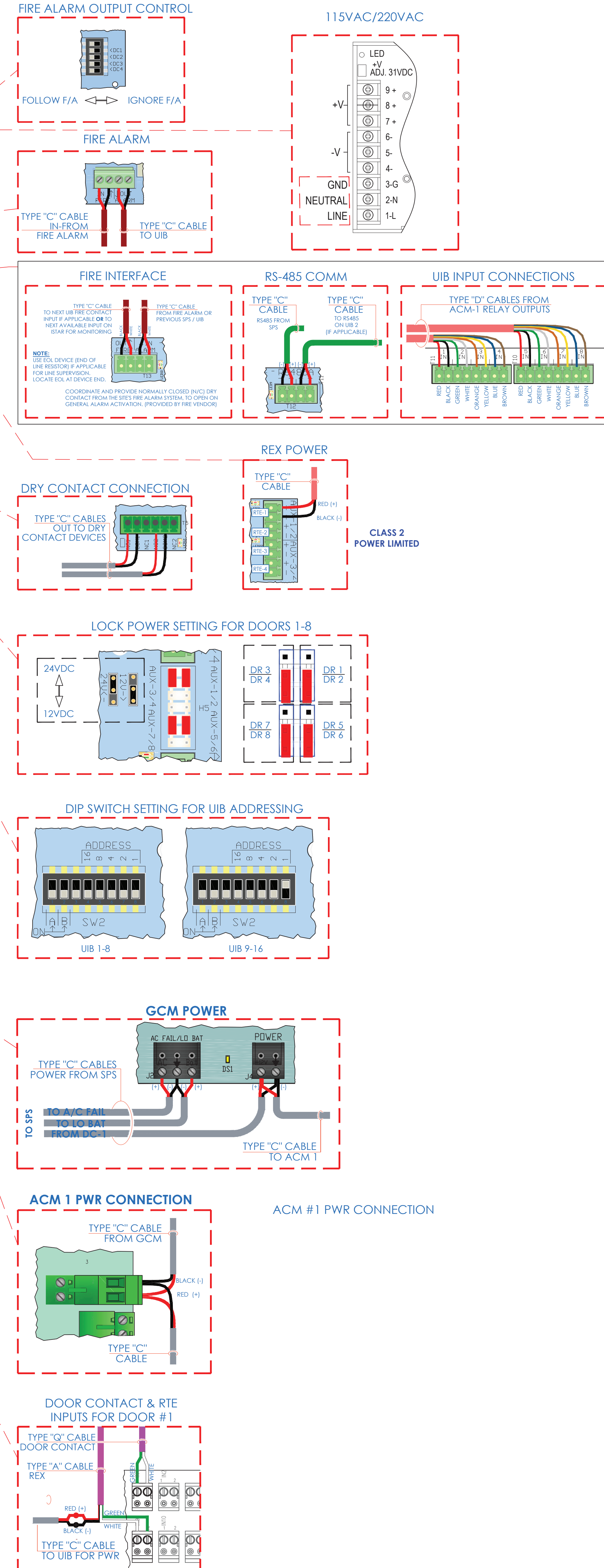
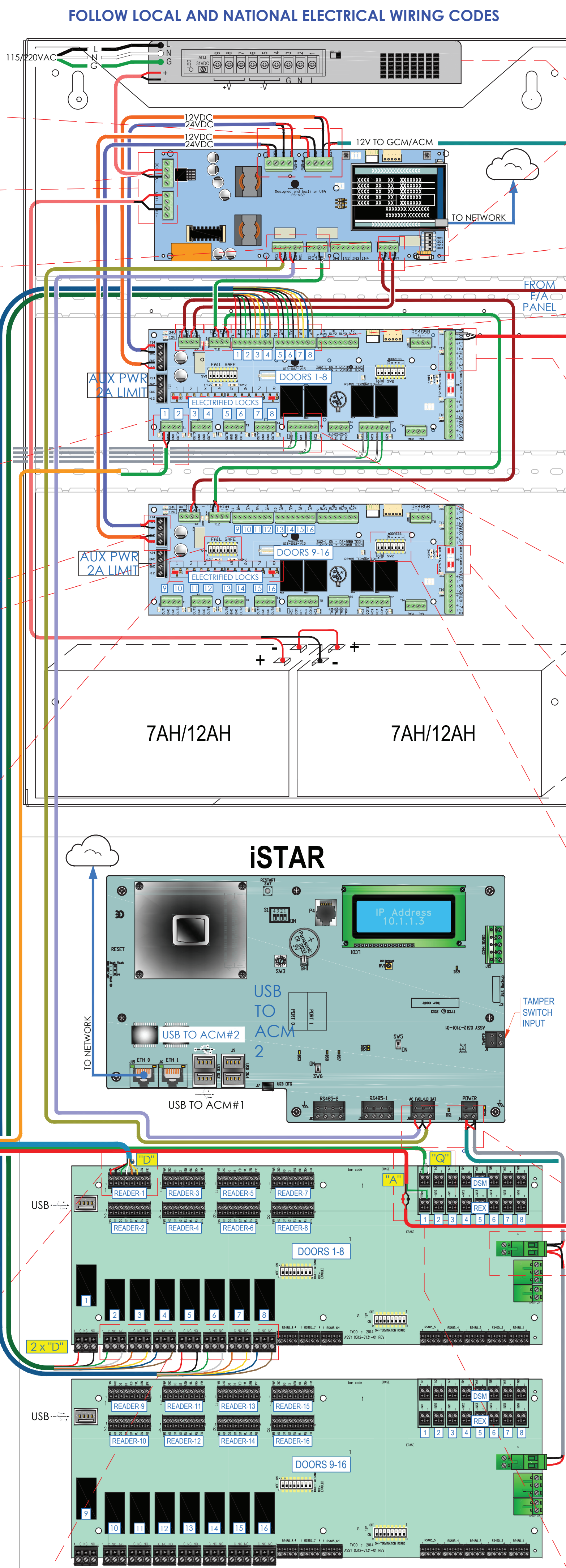
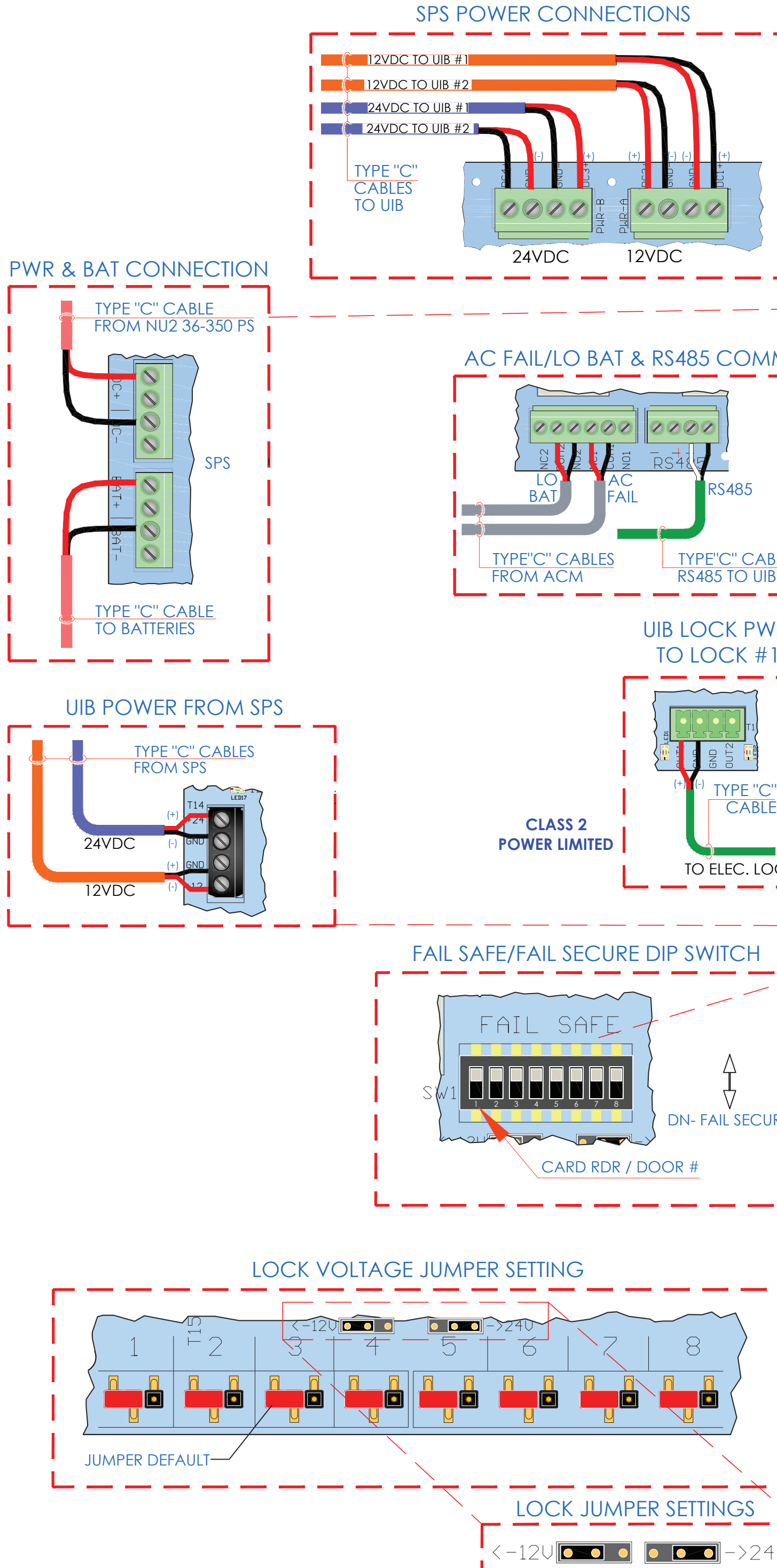
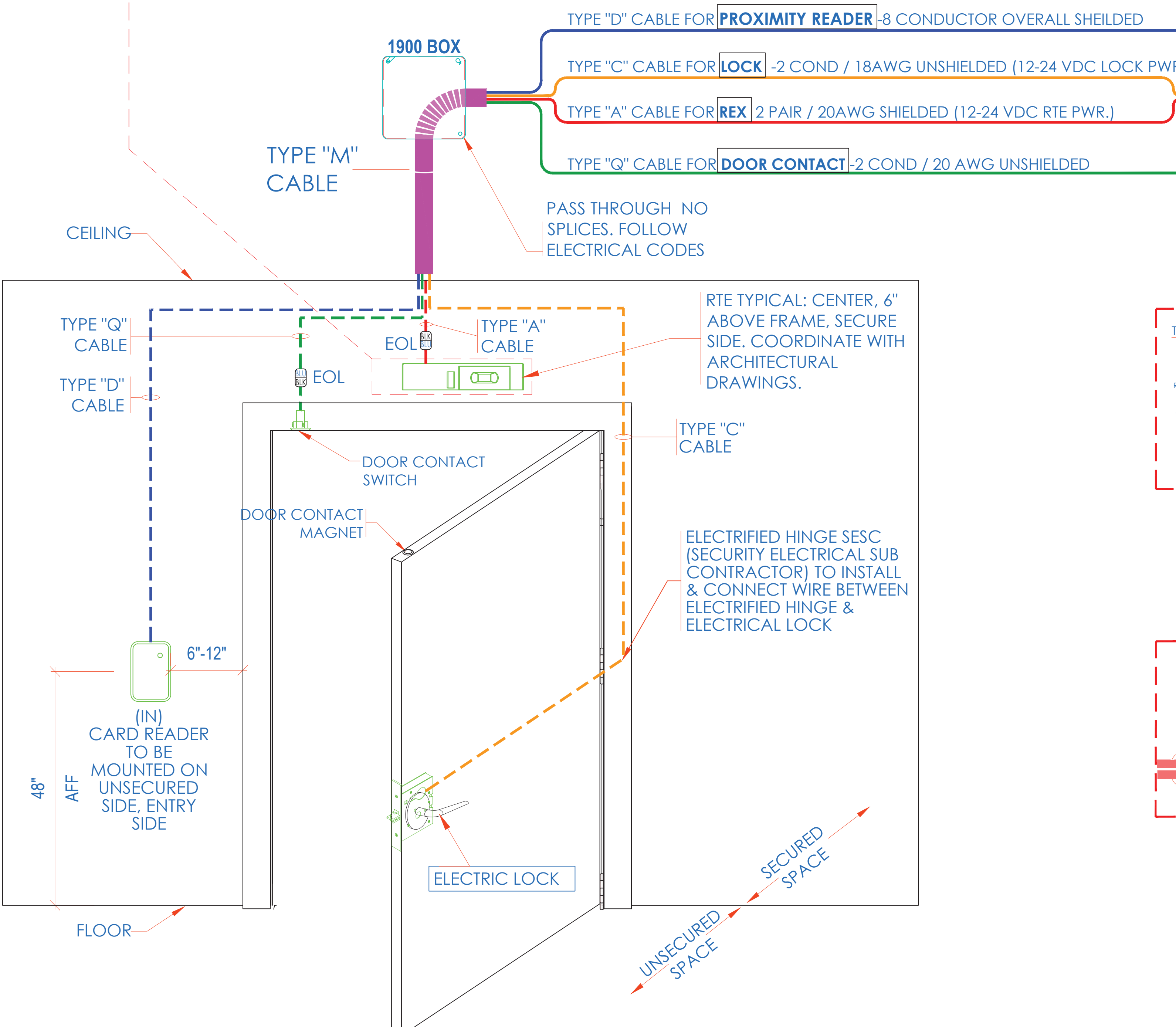
DOOR	INPUT	ACM
DOOR 1	IN 1	1
DOOR 2	IN 2	1
DOOR 3	IN 3	1
DOOR 4	IN 4	1
DOOR 5	IN 5	1
DOOR 6	IN 6	1
DOOR 7	IN 7	1
DOOR 8	IN 8	1
DOOR 9	IN 1	2
DOOR 10	IN 2	2
DOOR 11	IN 3	2
DOOR 12	IN 4	2
DOOR 13	IN 5	2
DOOR 14	IN 6	2
DOOR 15	IN 7	2
DOOR 16	IN 8	2

DOOR	INPUT	ACM
DOOR 1	IN 9	1
DOOR 2	IN 10	1
DOOR 3	IN 11	1
DOOR 4	IN 12	1
DOOR 5	IN 13	1
DOOR 6	IN 14	1
DOOR 7	IN 15	1
DOOR 8	IN 16	1
DOOR 9	IN 9	2
DOOR 10	IN 10	2
DOOR 11	IN 11	2
DOOR 12	IN 12	2
DOOR 13	IN 13	2
DOOR 14	IN 14	2
DOOR 15	IN 15	2
DOOR 16	IN 16	2

**DOOR ELEVATION
DIAGRAMMATICALLY SHOWN WITH
ELECTRIC MORTISE LOCK AND
REQUEST TO EXIT MOTION SENSOR**



MOTION REX



- NOTE:
- THIS IS A DEVICE CONNECTION DRAWING SHOWING A TYPICAL DOOR SETUP. THIS MAY OR MAY NOT REPRESENT THE ELECTRIFIED HARDWARE BEING USED ON THIS PROJECT. SEE DOOR TYPICAL FOR MORE INFORMATION AND CONFIRM HARDWARE TYPE FOR EACH SPECIFIC LOCATION PRIOR TO ANY INSTALLATION.
 - FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR

1. CONTRACTOR TO SUBMIT RISK DEFLECTION, DAMAGE TYPES AND ROUTES, DEVICE TERMINATION AND OTHERS ARE FOR REFERENCE ONLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND VERIFYING THE EXISTENCE OF ANY SPECIAL CONDITIONS, VERIFY ACTUAL FIELD CONDITIONS AND DELIVER A TURN KEY SOLUTION TO COY BOE.
3. CONTRACTOR TO VERIFY CAMERAS FIELD OF VIEW AND AS HAS BEEN MET TO THE FULL SATISFACTION OF BOE SECURITY MANAGER.
4. PRIOR TO PULLING CATT 4 WIRES, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSURE.
5. ALL CATT 4 CABLES TO BE TESTED AND CERTIFIED AS PER BID CONDITION.
6. CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE "AS BUILT" DRAWING.
7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND AND SIGNED COPY OF THE HARD AND SOFT COPY (2SETS) AND A CD WITH .PDF FORMAT.
8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING, ITG'S ROLE IS LIMITED TO OBSERVATION.

ISSUED FOR:	
DATE	COMMENTS
10/10/2018	ISSUED FOR REVIEW / APPROVAL
18/10/2019	ISSUED FULL SET FOR APPROVAL
19/10/2019	REVIEWED & REVISED-ISSUED FOR APPROVAL
15/10/2019	REVISED
26/10/2019	ISSUED FOR BID
06/10/2019	REVISED-ISSUED FOR BID
11/10/2019	REVISED-ISSUED FOR BID



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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

ULTRA SE TYPICAL WIRING
DIAGRAM FOR 16 CR DOORS
w/ MOTION KEY

I.T.		C.A.		E.M.	
DESIGNED BY		DRAWN BY		CHECKED BY	
WORK ORDER NO:		DATE:		11/27/2019	
XXXXXXX		SCALE:		N.T.S.	
S.A. NO:		DRAWING NO:		SF-702-A	
XXXXXXX					

ULTRA SE TYPICAL WIRING DIAGRAM - REX LOCK

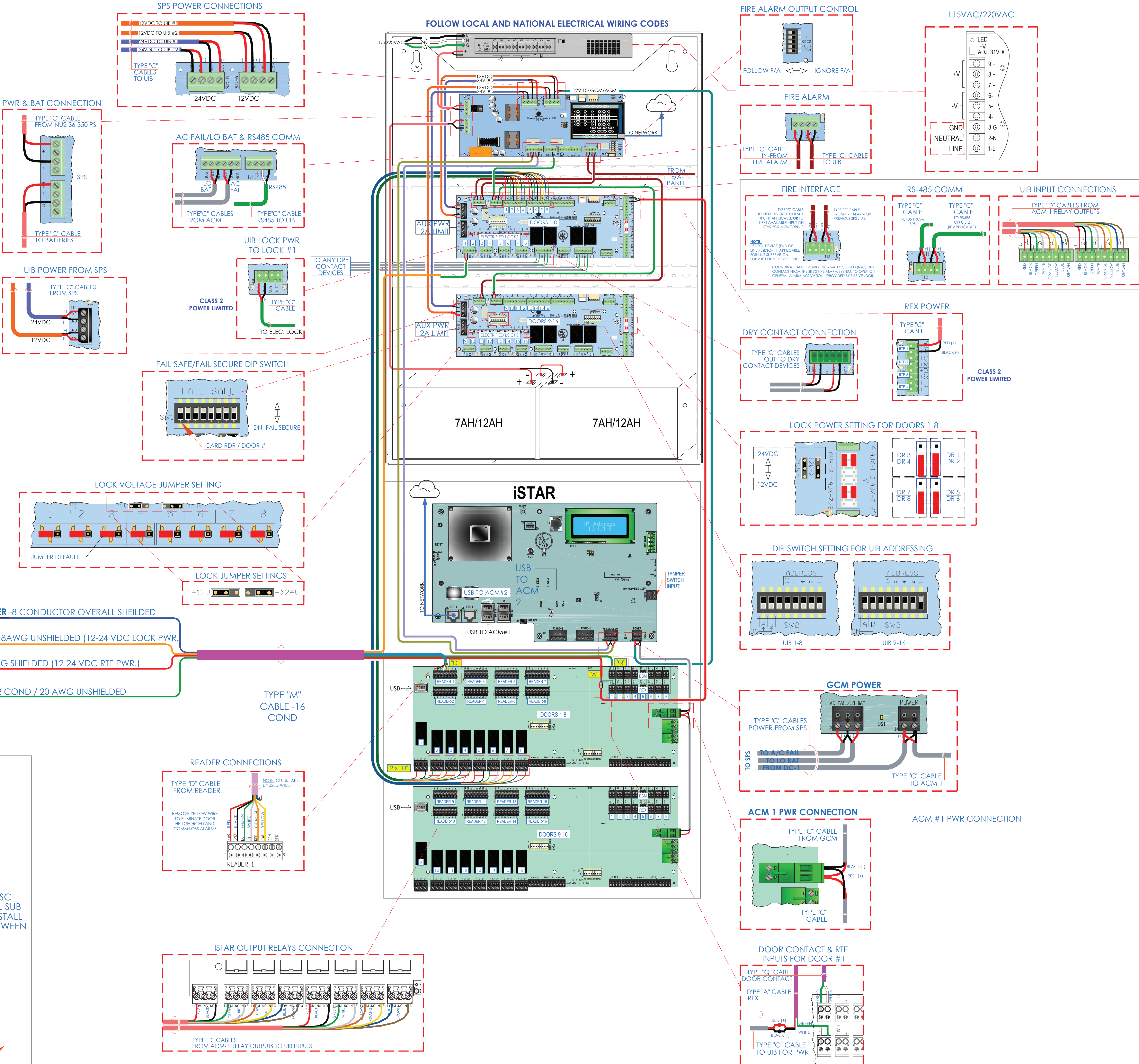
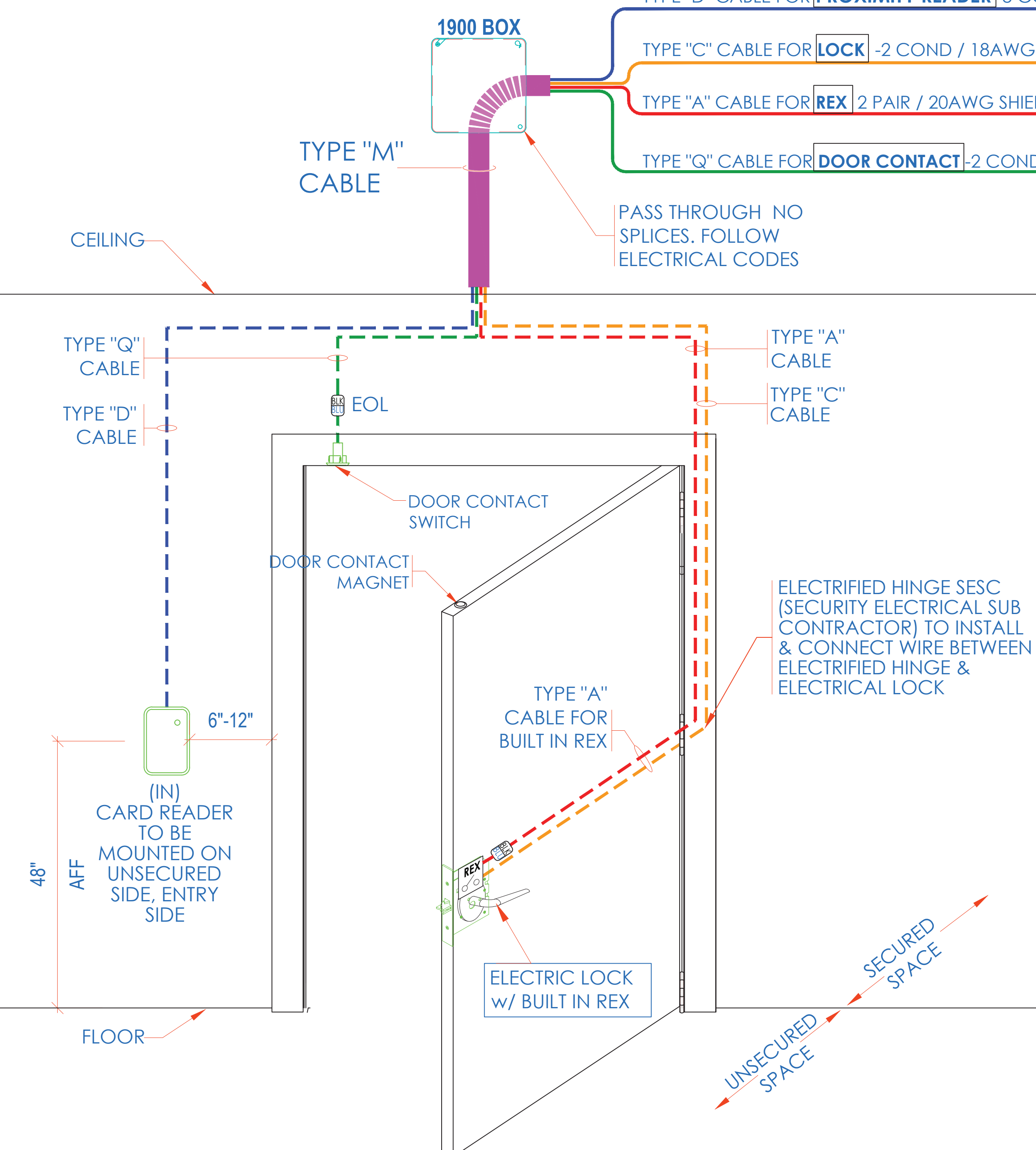
DOOR	iSTAR	
DOOR 1	RDR 1	ACM 1
DOOR 2	RDR 2	
DOOR 3	RDR 3	
DOOR 4	RDR 4	ACM 1
DOOR 5	RDR 5	
DOOR 6	RDR 6	
DOOR 7	RDR 7	
DOOR 8	RDR 8	ACM 2
DOOR 9	RDR 1	
DOOR 10	RDR 2	
DOOR 11	RDR 3	
DOOR 12	RDR 4	ACM 2
DOOR 13	RDR 5	
DOOR 14	RDR 6	
DOOR 15	RDR 7	
DOOR 16	RDR 8	

DOOR	INPUT	ACM
DOOR 1	IN 1	1
DOOR 2	IN 2	1
DOOR 3	IN 3	1
DOOR 4	IN 4	1
DOOR 5	IN 5	1
DOOR 6	IN 6	1
DOOR 7	IN 7	1
DOOR 8	IN 8	1
DOOR 9	IN 1	2
DOOR 10	IN 2	2
DOOR 11	IN 3	2
DOOR 12	IN 4	2
DOOR 13	IN 5	2
DOOR 14	IN 6	2
DOOR 15	IN 7	2
DOOR 16	IN 8	2

DOOR	INPUT	ACM
DOOR 1	IN 9	1
DOOR 2	IN 10	1
DOOR 3	IN 11	1
DOOR 4	IN 12	1
DOOR 5	IN 13	1
DOOR 6	IN 14	1
DOOR 7	IN 15	1
DOOR 8	IN 16	1
DOOR 9	IN 9	2
DOOR 10	IN 10	2
DOOR 11	IN 11	2
DOOR 12	IN 12	2
DOOR 13	IN 13	2
DOOR 14	IN 14	2
DOOR 15	IN 15	2
DOOR 16	IN 16	2

**DOOR ELEVATION
DIAGRAMMATICALLY SHOWN WITH
ELECTRIC MORTISE LOCK AND
REQUEST TO EXIT MOTION SENSOR**

REX IN LOCK



- NOTE:
- THIS IS A DEVICE CONNECTION DRAWING SHOWING A TYPICAL DOOR SETUP. THIS MAY OR MAY NOT REPRESENT THE ELECTRIFIED HARDWARE BEING USED ON THIS PROJECT. SEE DOOR TYPICAL FOR MORE INFORMATION AND CONFIRM HARDWARE TYPE FOR EACH SPECIFIC LOCATION PRIOR TO ANY INSTALLATION.
 - FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

TYPE: DEVICE PLACEMENT, RISER DEPICTION, CABLE TYPE AND COLOR, DEVICE IDENTIFICATION AND OTHERS ARE FOR REFERENCE ONLY.

2. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND VERIFYING THE ENTIRE ORGANIZATION'S REQUIREMENTS AND VERIFYING ACTUAL FIELD CONDITIONS AND DELIVER A TURN KEY SOLUTION TO COPY BOY.

CONTRACTOR TO VERIFY CAMERAS FIELD OF VIEW AND FIELD OF VIEW IS NEARLY 100% SATISFACTION OF BOE SECURITY MANAGER.

NOTE: PRIOR TO PULLING CAT-6 WIRES, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT TO EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.

ALL CAT-6 CABLES TO BE TESTED AND CERTIFIED AS PER STANDARD.

CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE "AS BUILT"

3. CONTRACTOR TO PROVIDE AND DELIVER A BOUND "AS BUILT" SET IN PDF, SIZE HARD COPY (2) SETS) AND A CD WITH "PDF MAKE

CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING, IT'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

ISSUED FOR:	
DATE	COMMENTS
2018	ISSUED FOR REVIEW / APPROVAL
2019	ISSUED FULL SET FOR APPROVAL
2019	REVIEWED & REVISED-ISSUED FOR APPROVAL
2019	REVISED
2019	ISSUED FOR BID
2019	REVISED-ISSUED FOR BID
2020	REVISED-ISSUED FOR BID



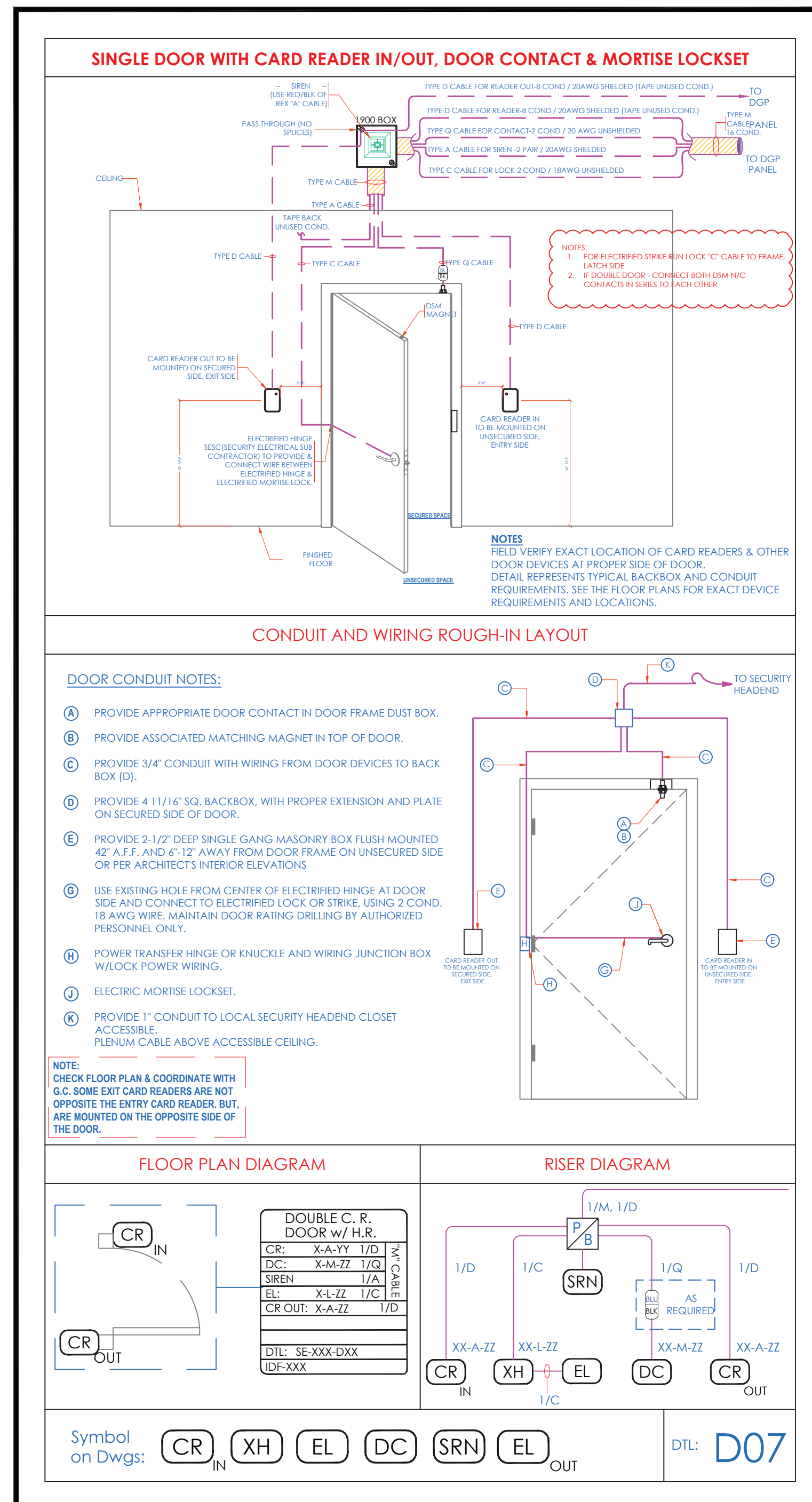
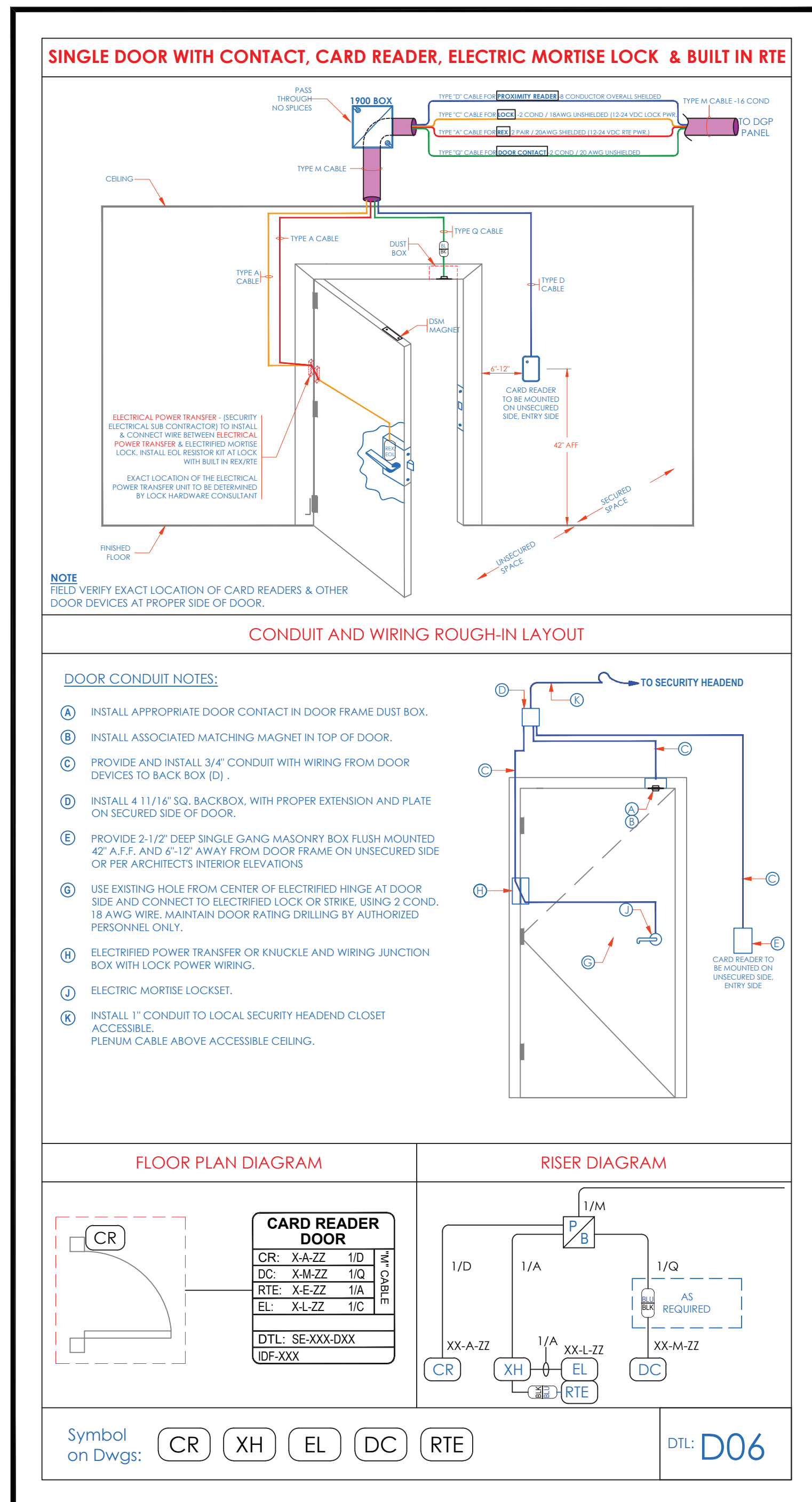
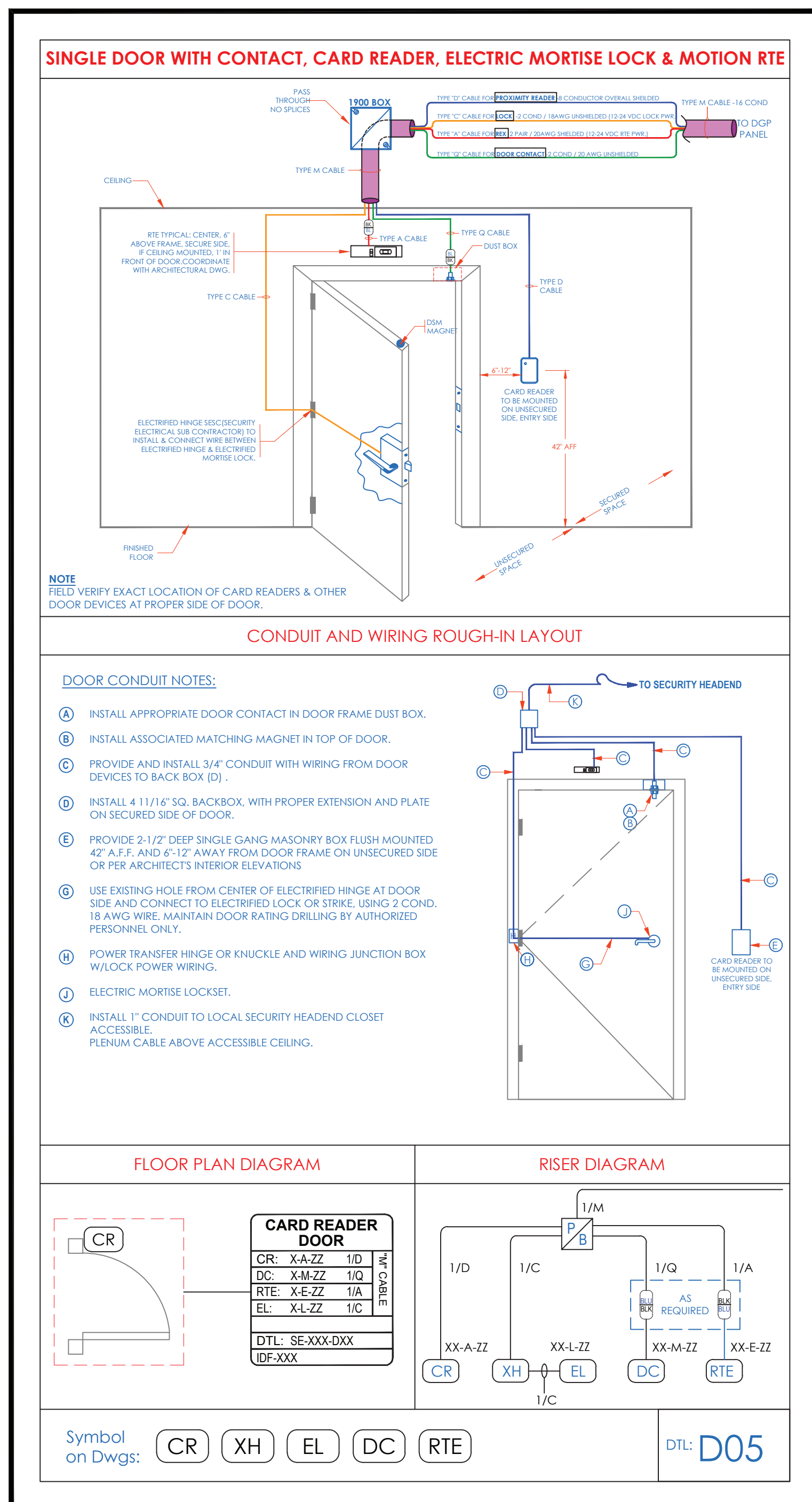
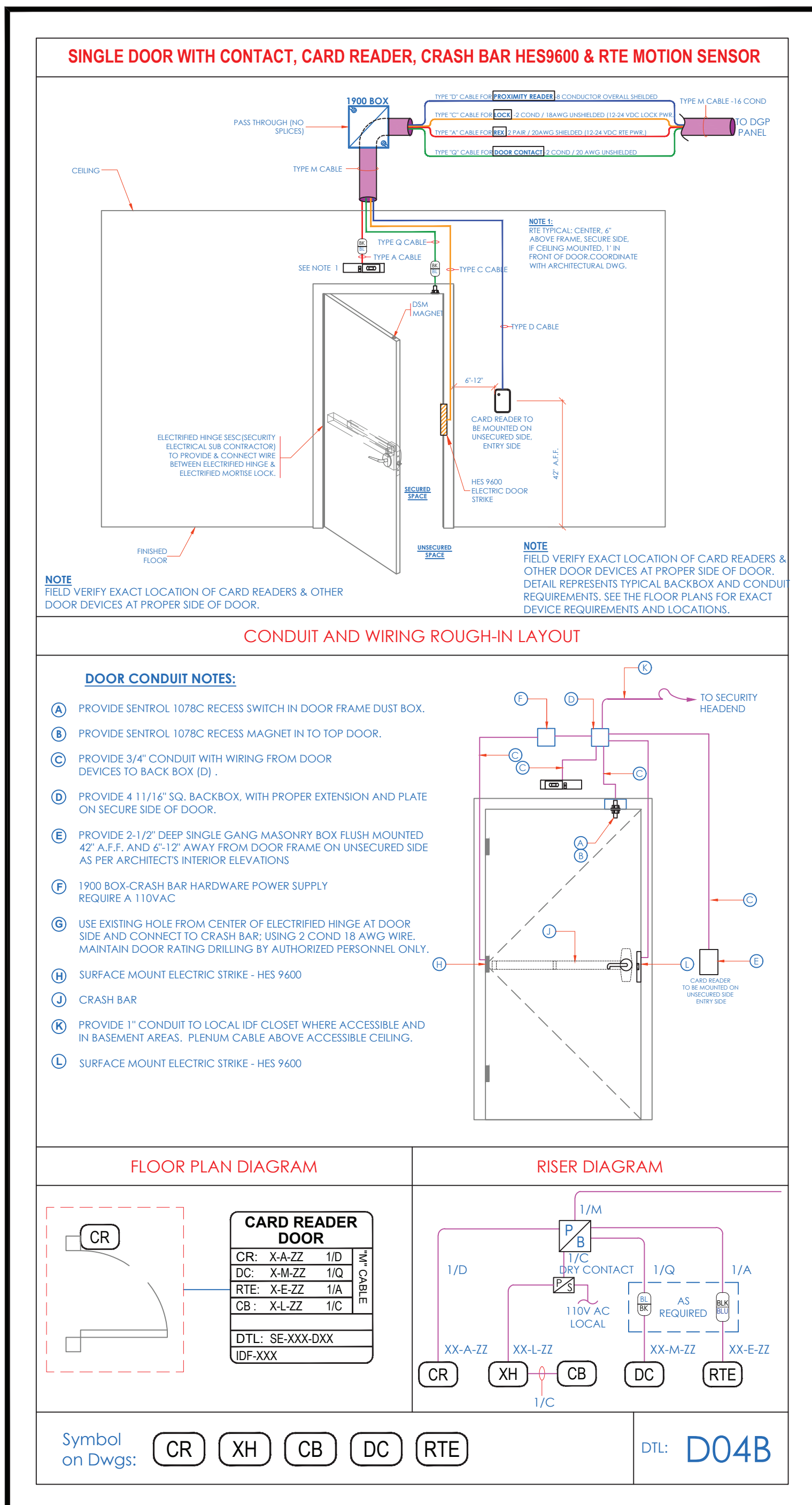
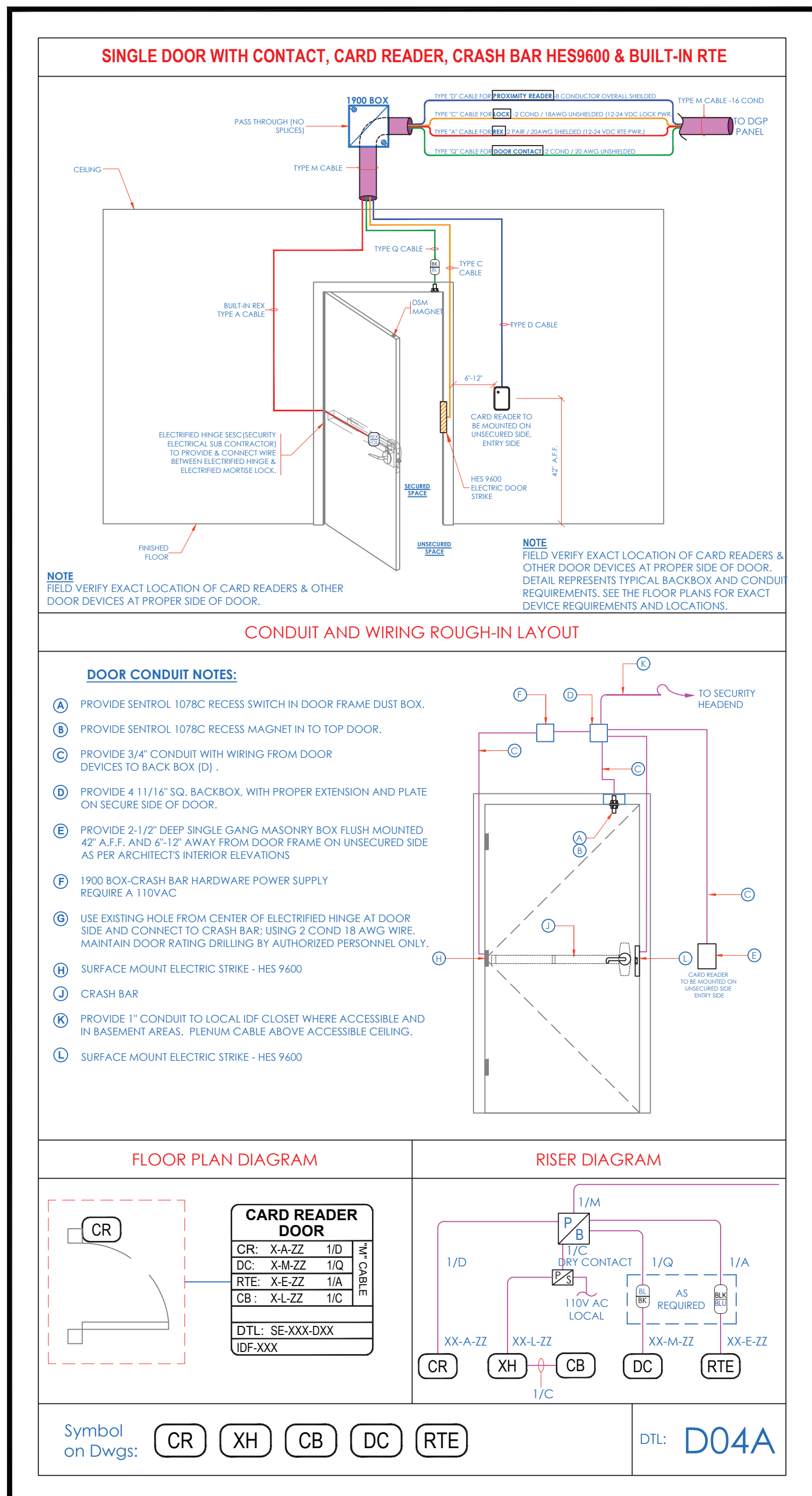
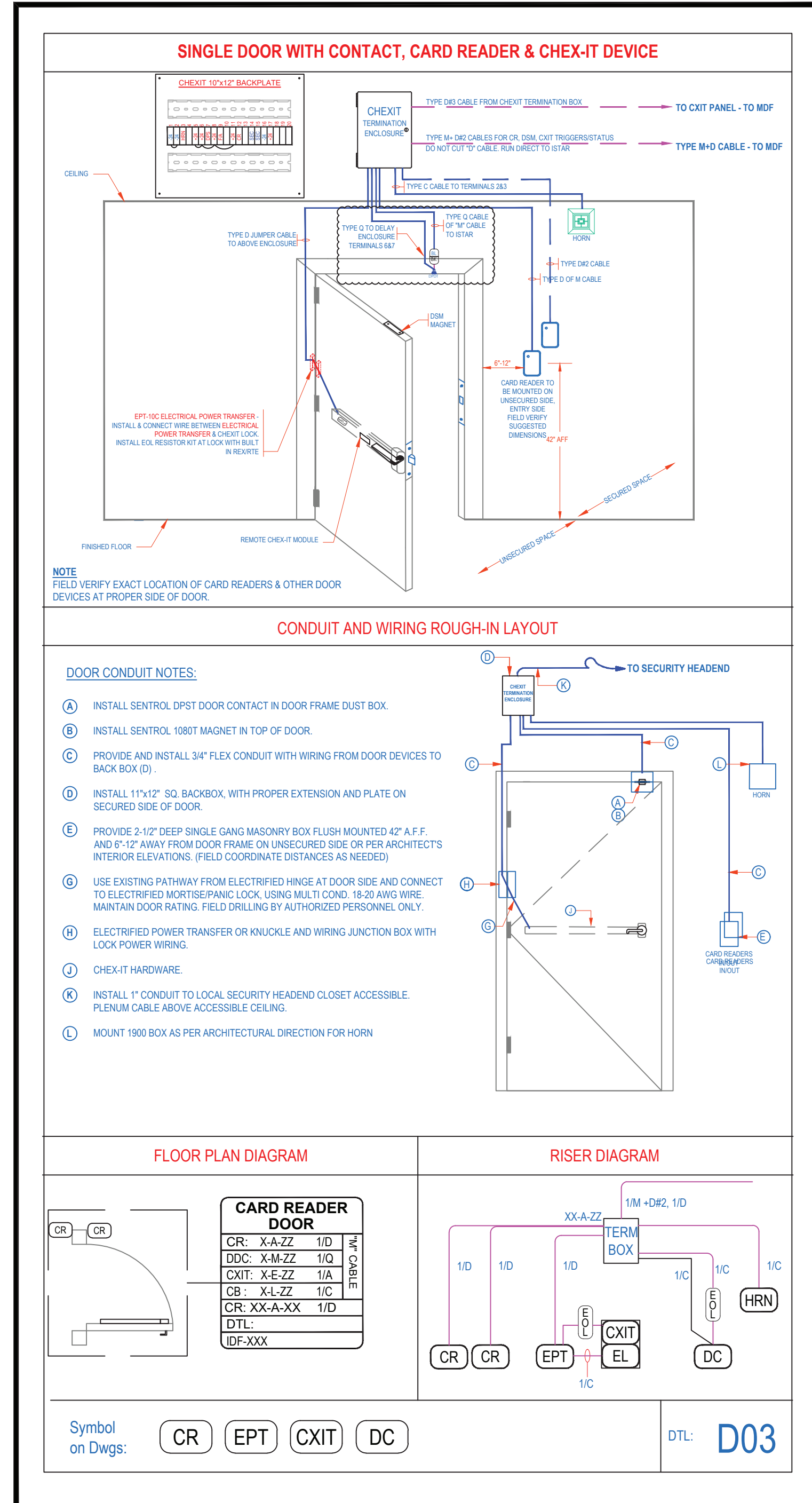
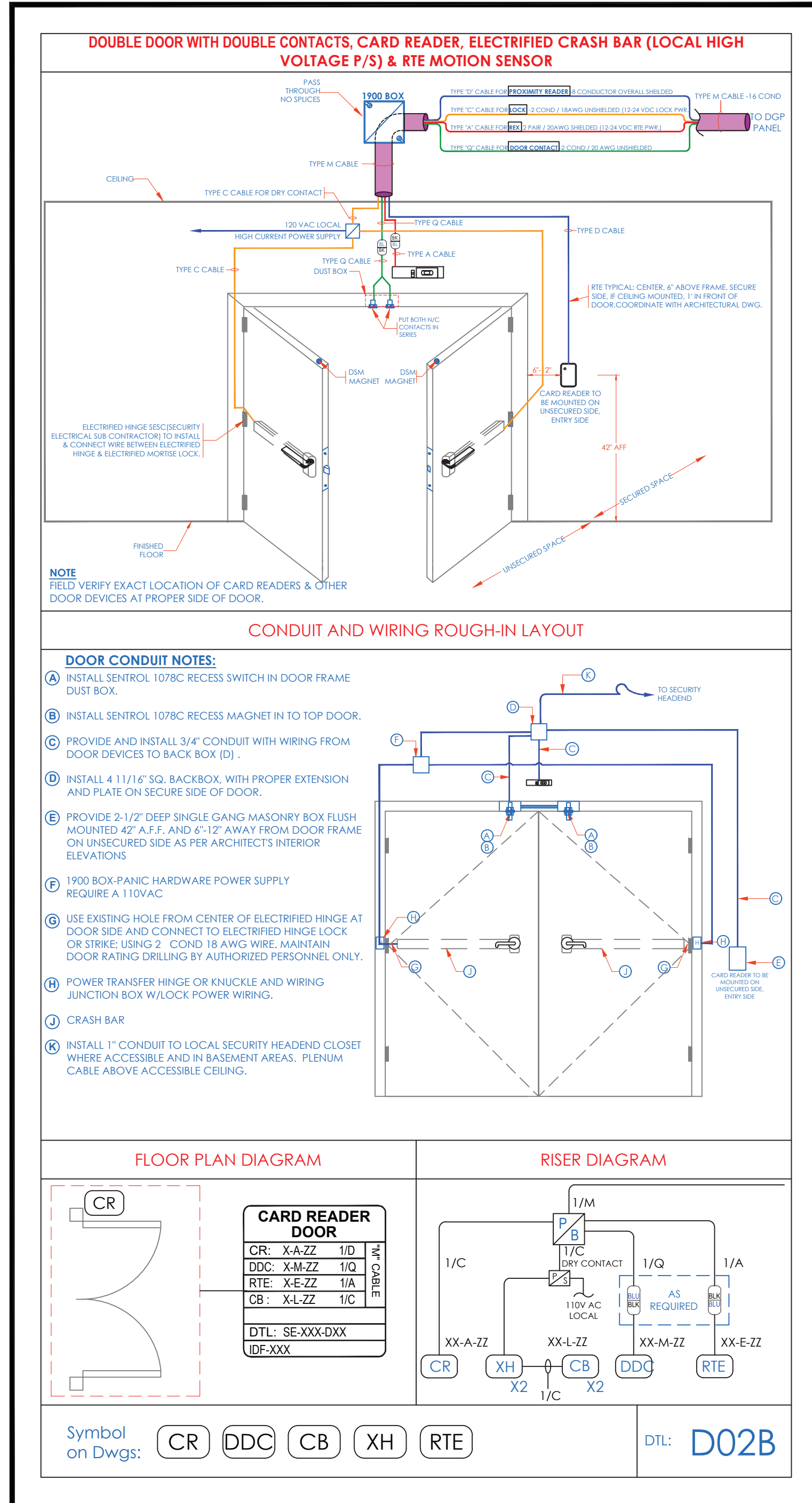
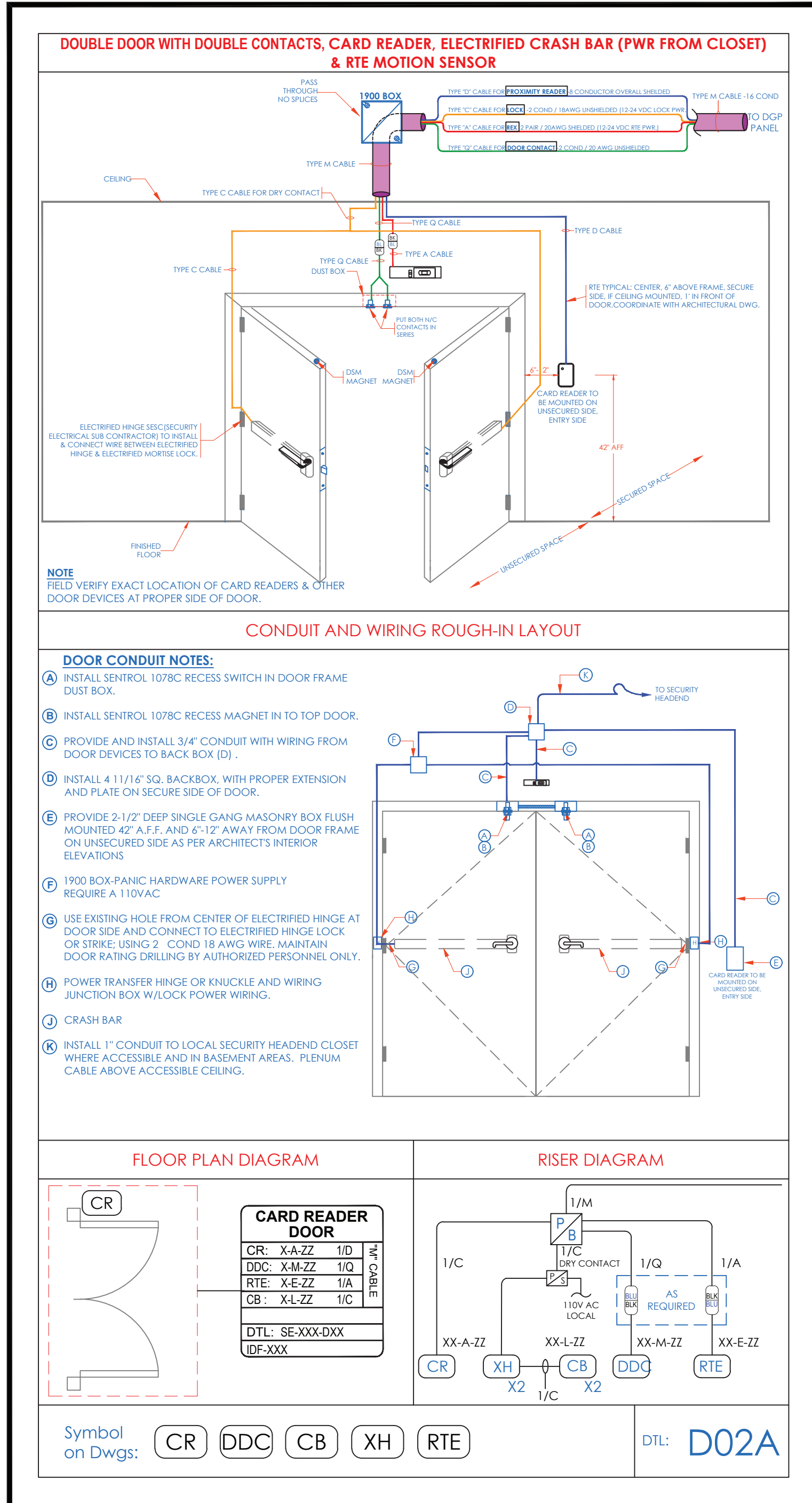
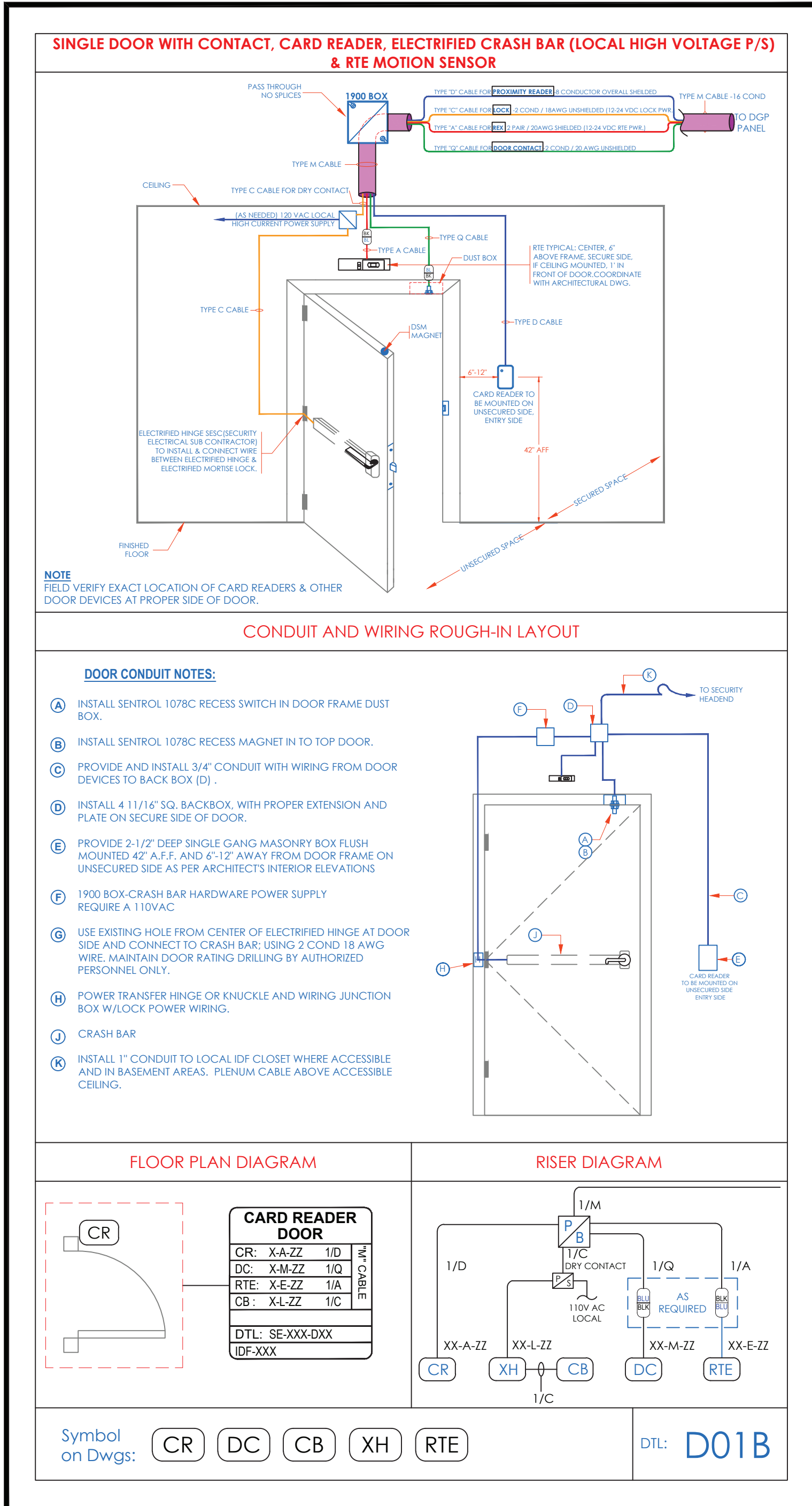
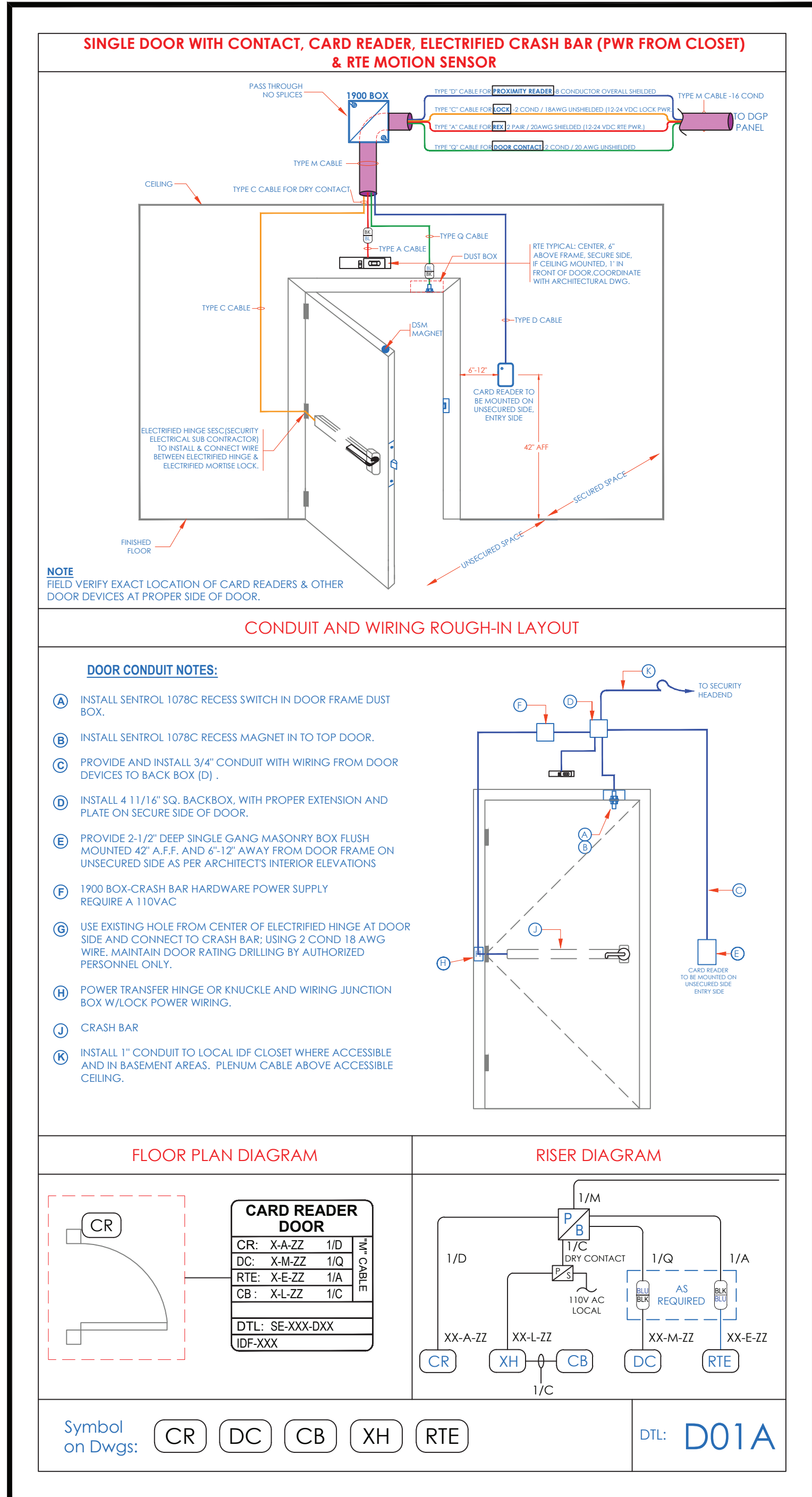
ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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565 WARBURTON AVE
YONKERS, NY 10701

ULTRA SE TYPICAL WIRING
DIAGRAM FOR 16 CR DOORS
w/ BUILT-IN REX

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
K ORDER NO:	DATE: 11/27/2019	
XXXX	SCALE:	
	N.T.S.	
NO:	DRAWING NO:	
XXXX	SE-702-B	



- NOTES:
- DEVICE PLACEMENT, RISER DEPICTION, CABLE TYPES AND ROUTES, DEVICE TERMINATION AND OTHERS ARE FOR REFERENCE ONLY
 - THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND VERIFYING THE ENTIRE DRAWINGS SET AND SPECIFICATIONS, VERIFY ACTUAL FIELD CONDITIONS AND DELIVER A TURN KEY SOLUTION TO CVI BIDE.
 - CONTRACTOR TO VERIFY CAMERA'S FIELD OF VIEW AND ADJUST AS NEEDED TO THE SATISFACTION OF BIDE SECURITY MANAGER
 - PRIOR TO PULLING CAT-5 WIRES, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT TO EXCEED 300' WHEN BROUGHT TO CLOSET CLOSET.
 - ALL CAT-5 CABLES TO BE TESTED AND CERTIFIED AS PER BIDE DOCUMENT
 - CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE "AS BUILT"
 - CONTRACTOR TO PRODUCE AND DELIVER A BUILT "AS BUILT" SET IN BOTH "PDF" AND "DWG" FORMAT.
 - CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING, IT'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

ISSUED FOR:

DATE: 1/10/2018

COMMENTS: ISSUED FOR REVIEW / APPROVAL

2/18/2019: ISSUED FULL SET FOR APPROVAL

2/19/2019: REVIEWED & REVISED-ISSUED FOR APPROVAL

7/15/2019: REVISED

8/26/2019: ISSUED FOR BID

10/6/2019: REVISED-ISSUED FOR BID

11/15/2020: REVISED-ISSUED FOR BID

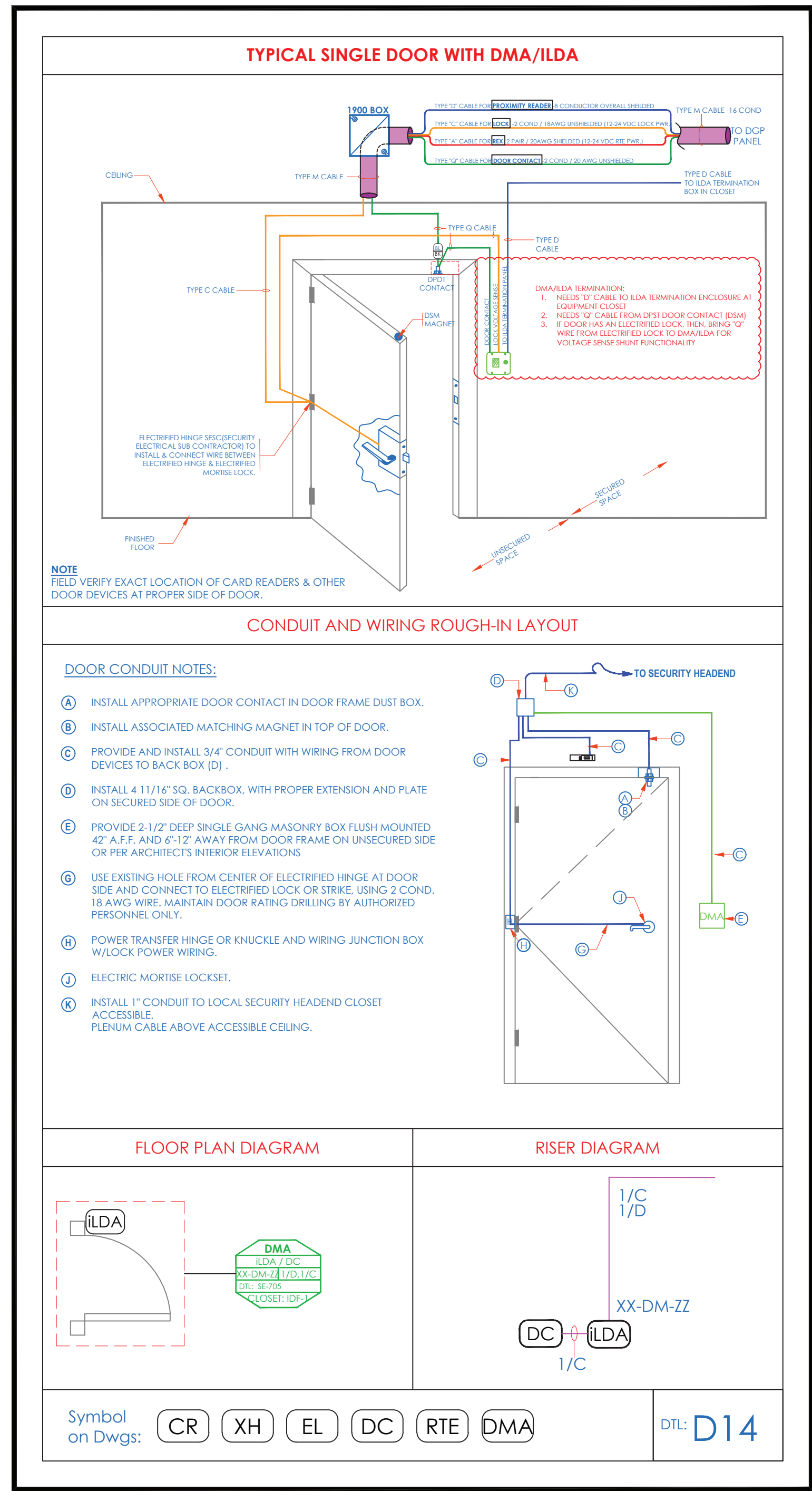
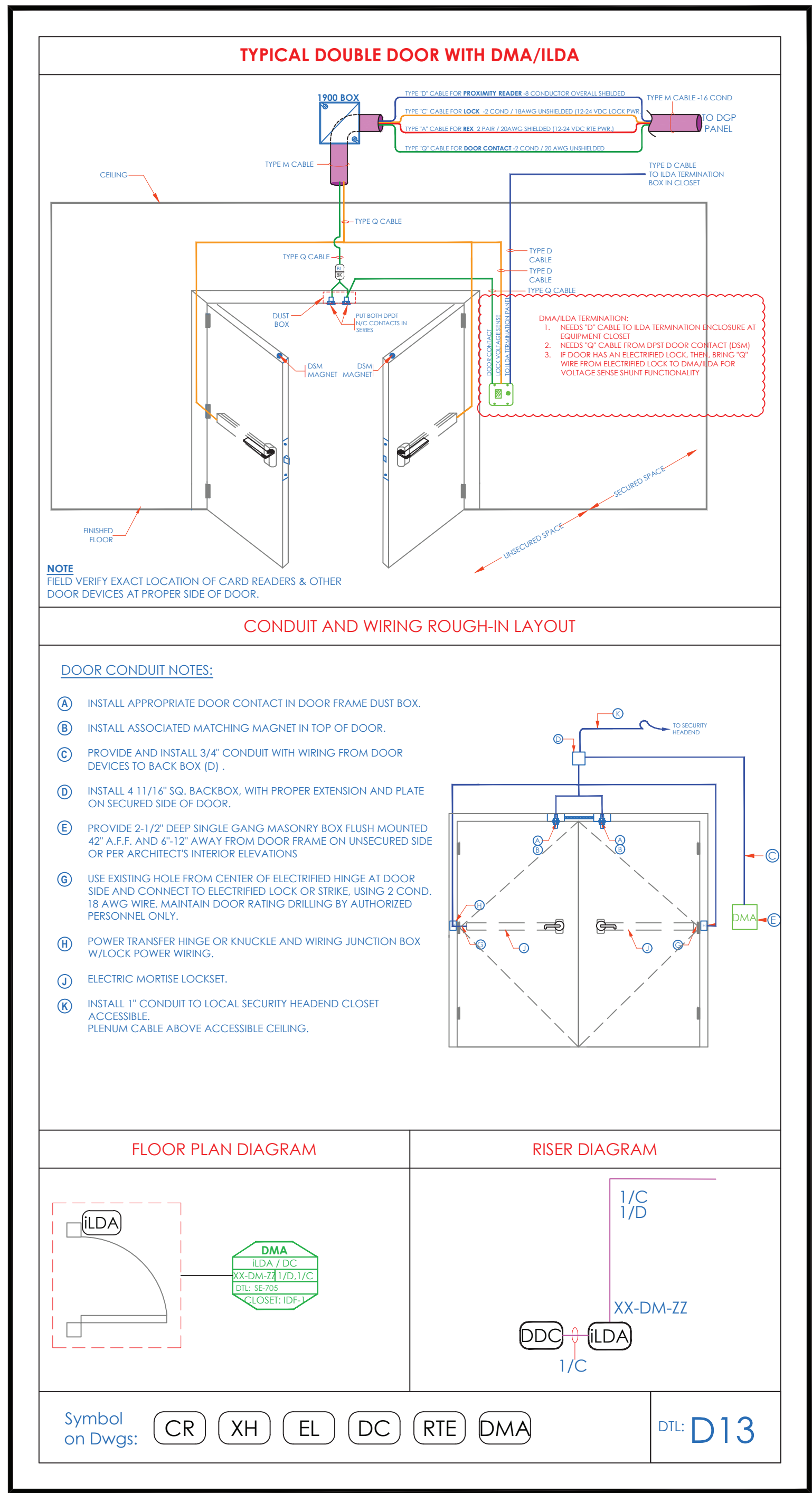
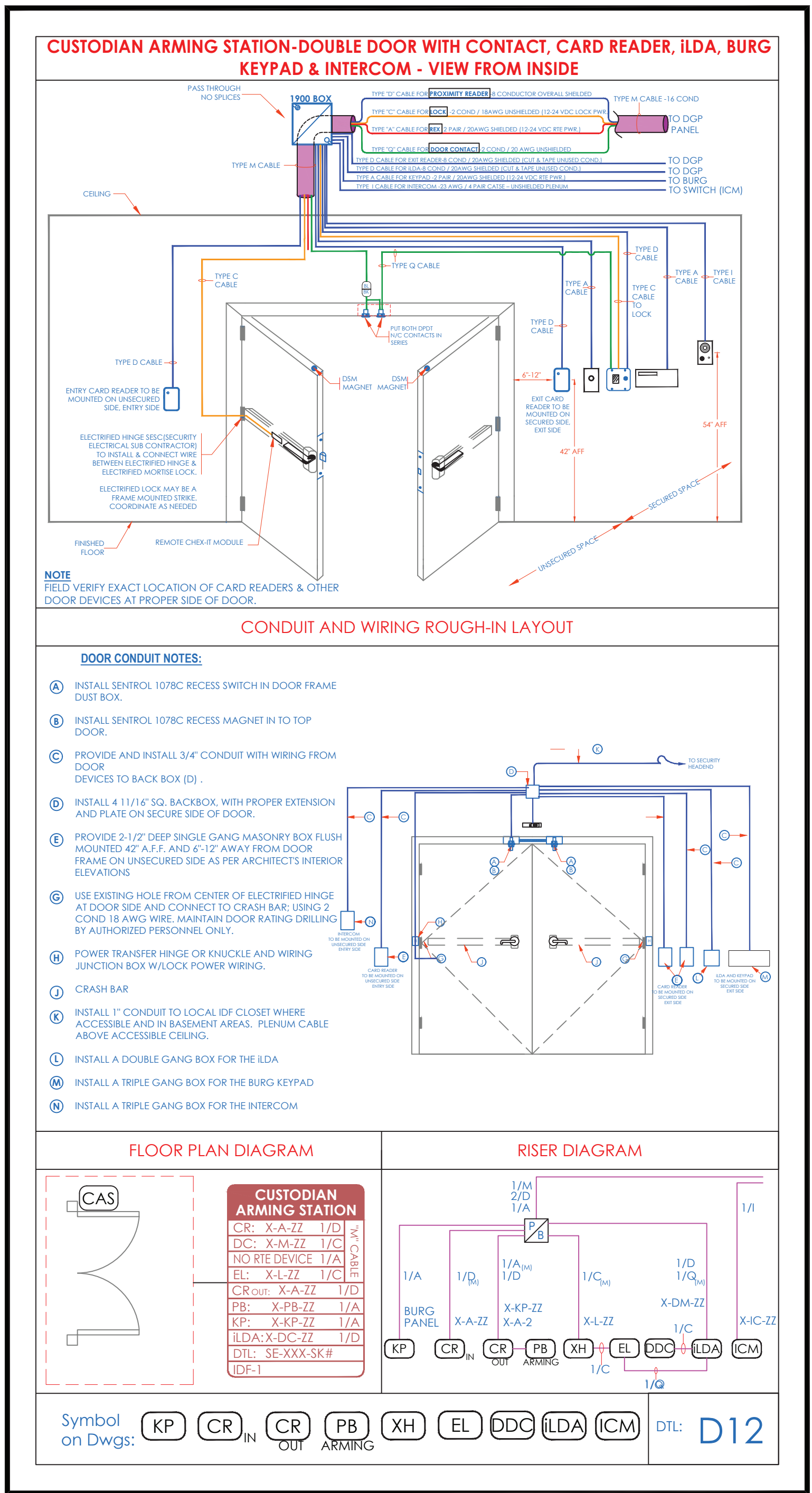
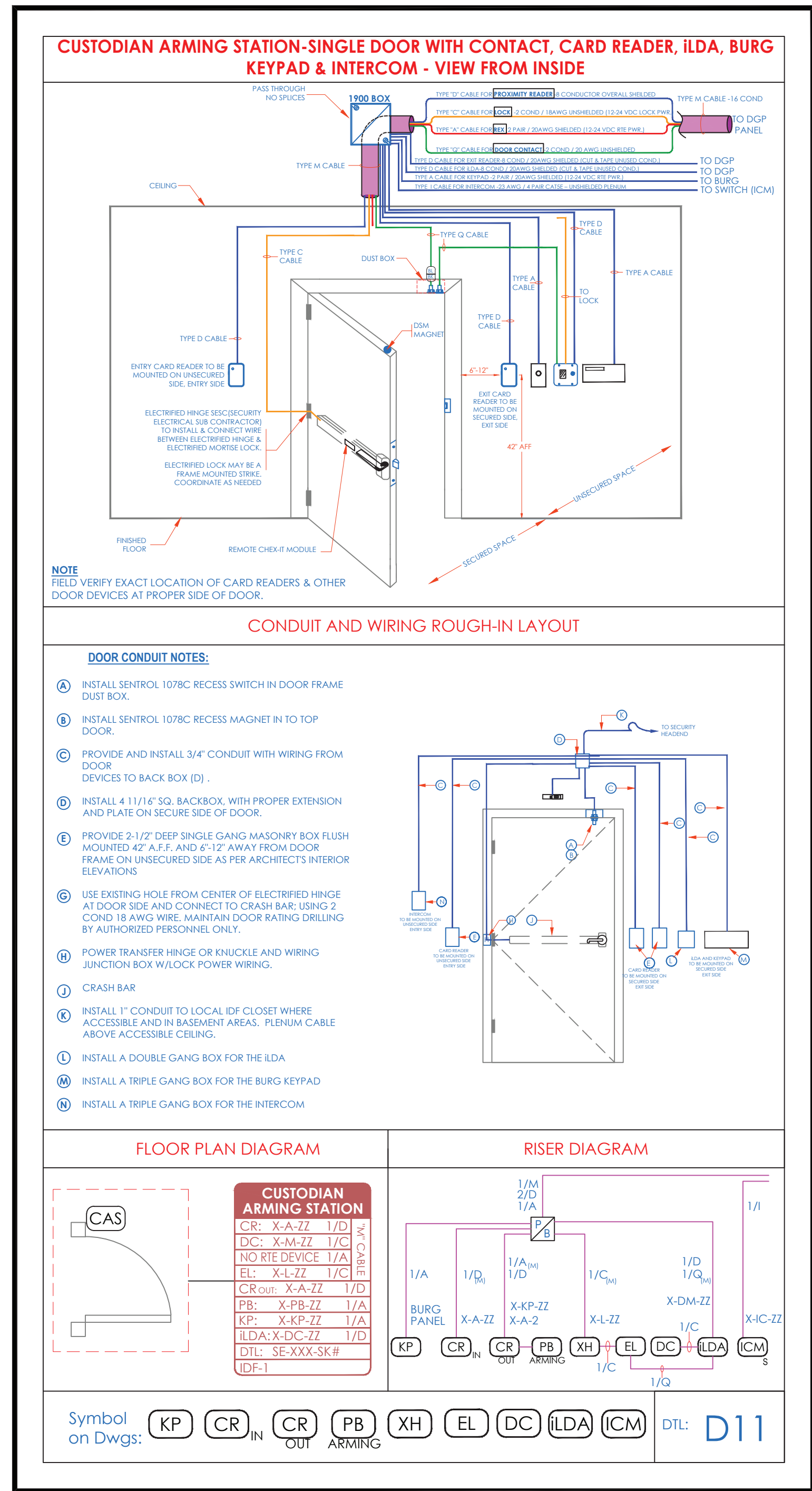
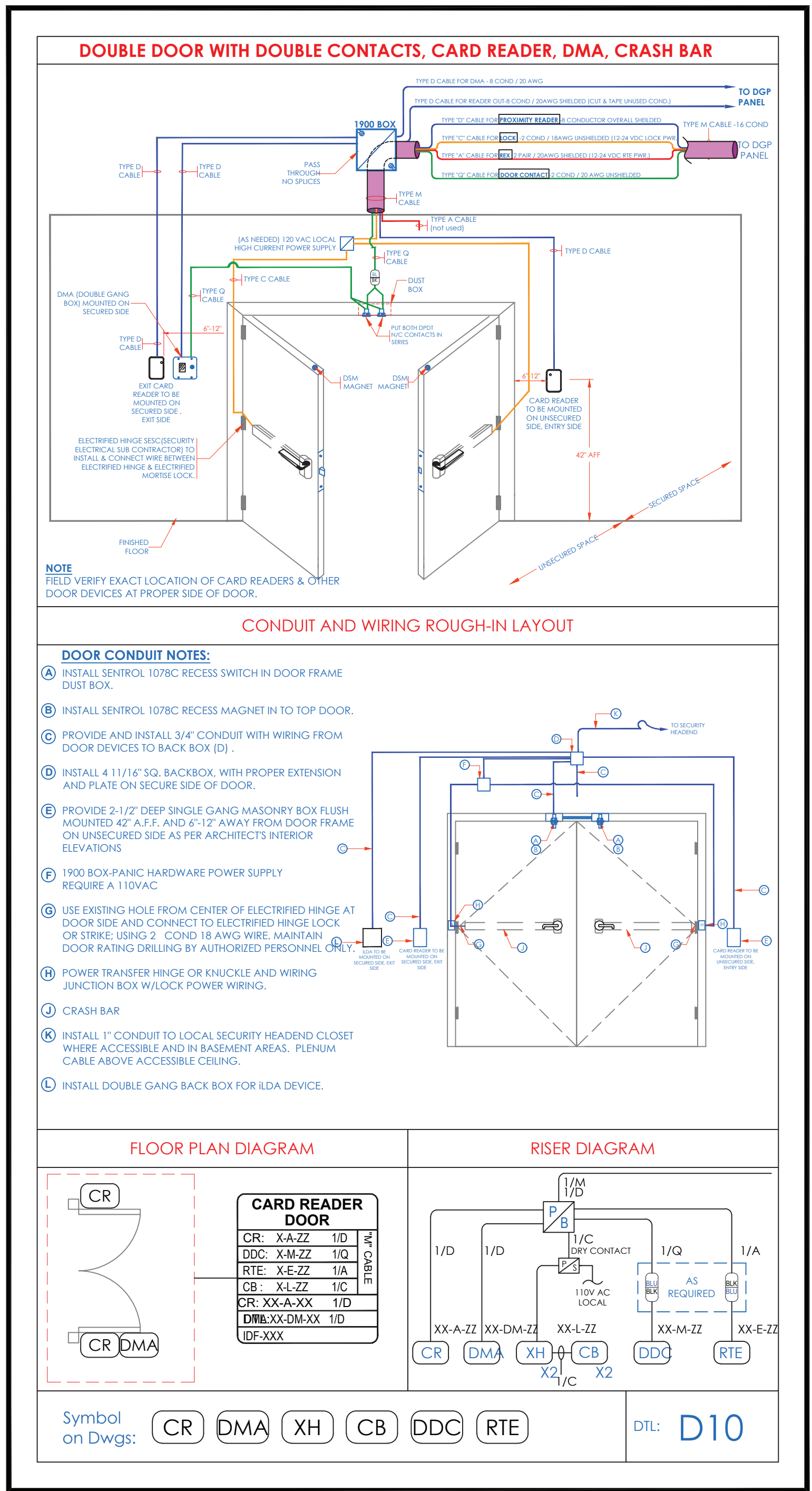
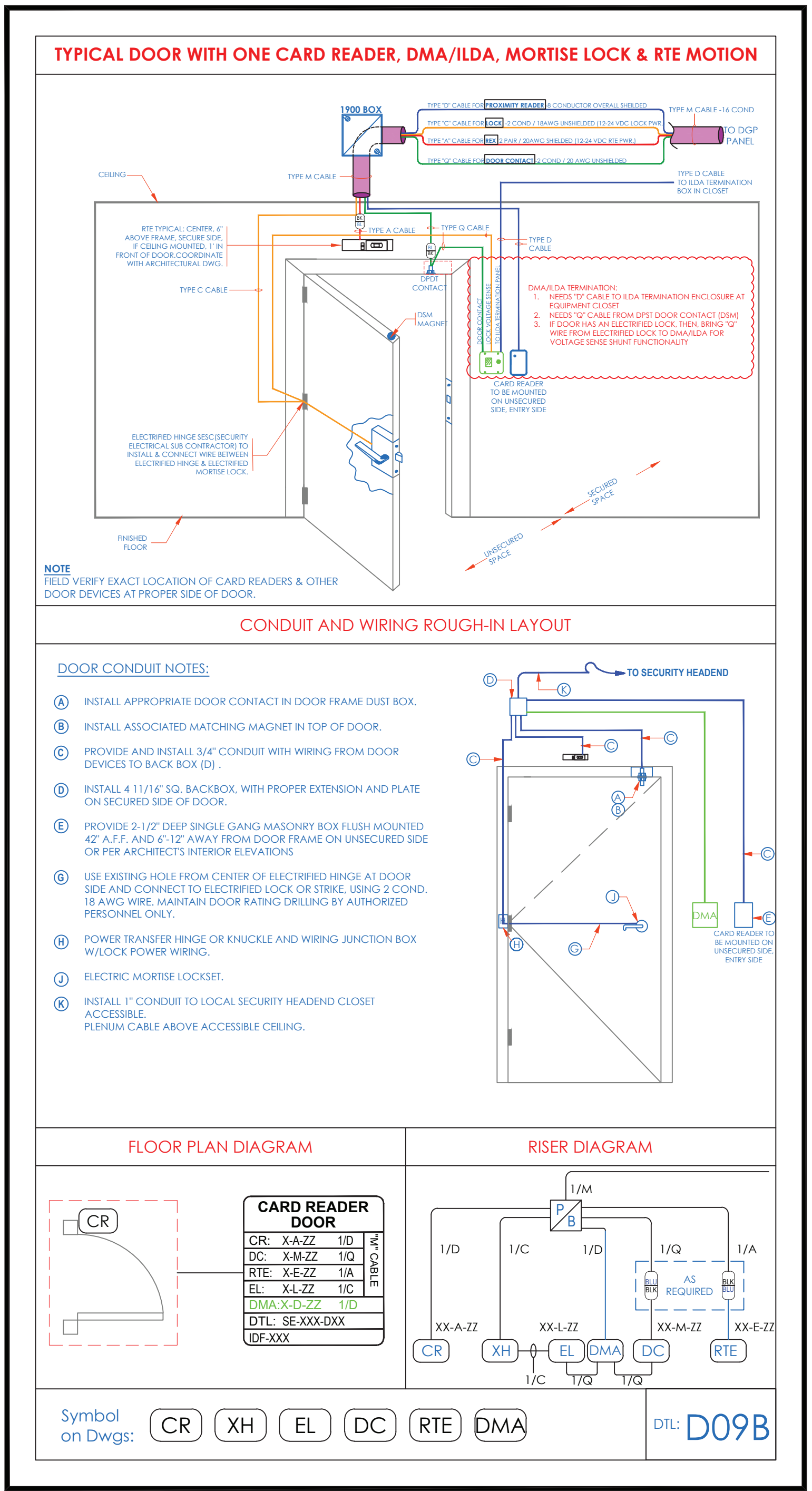
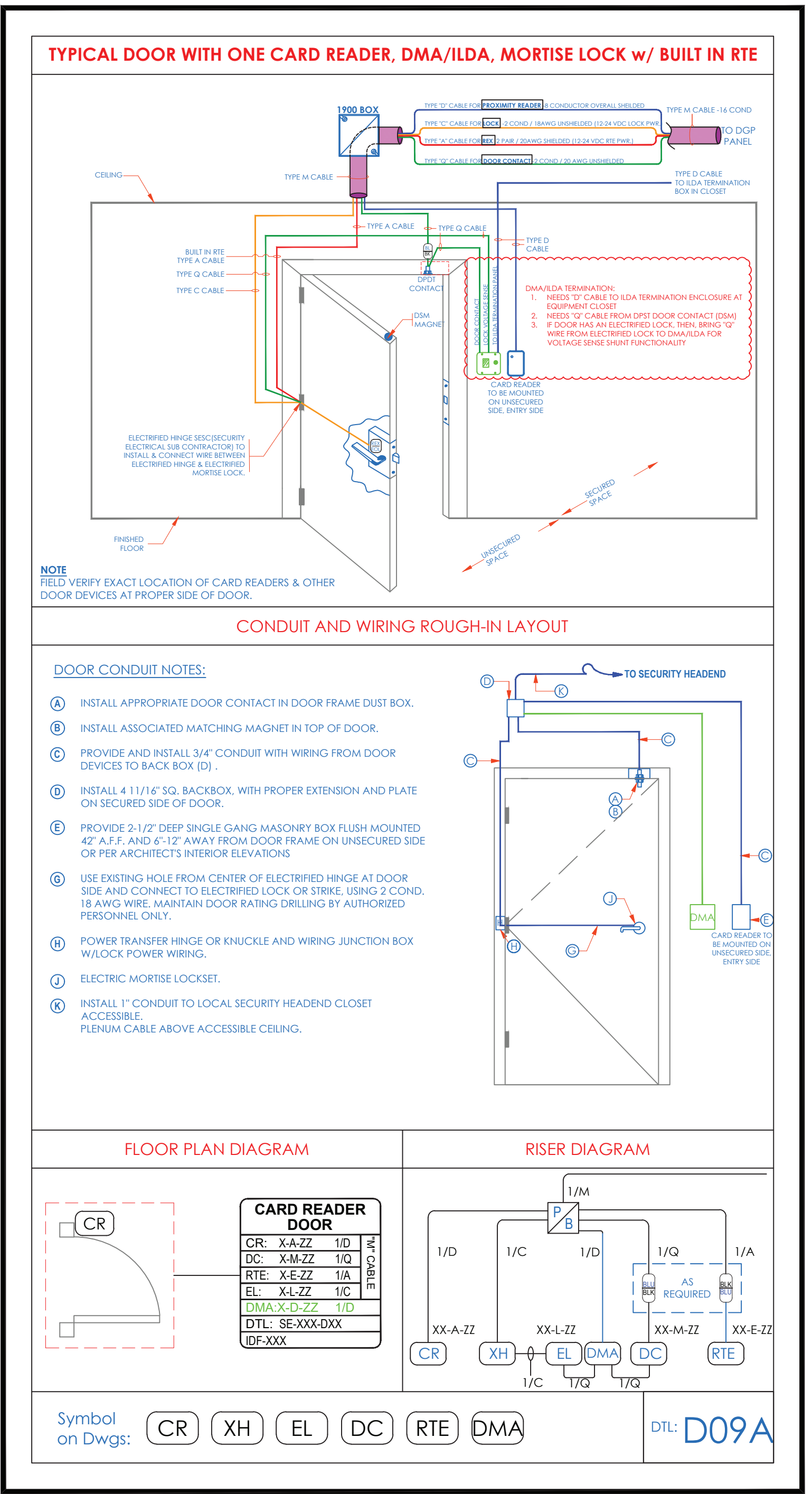
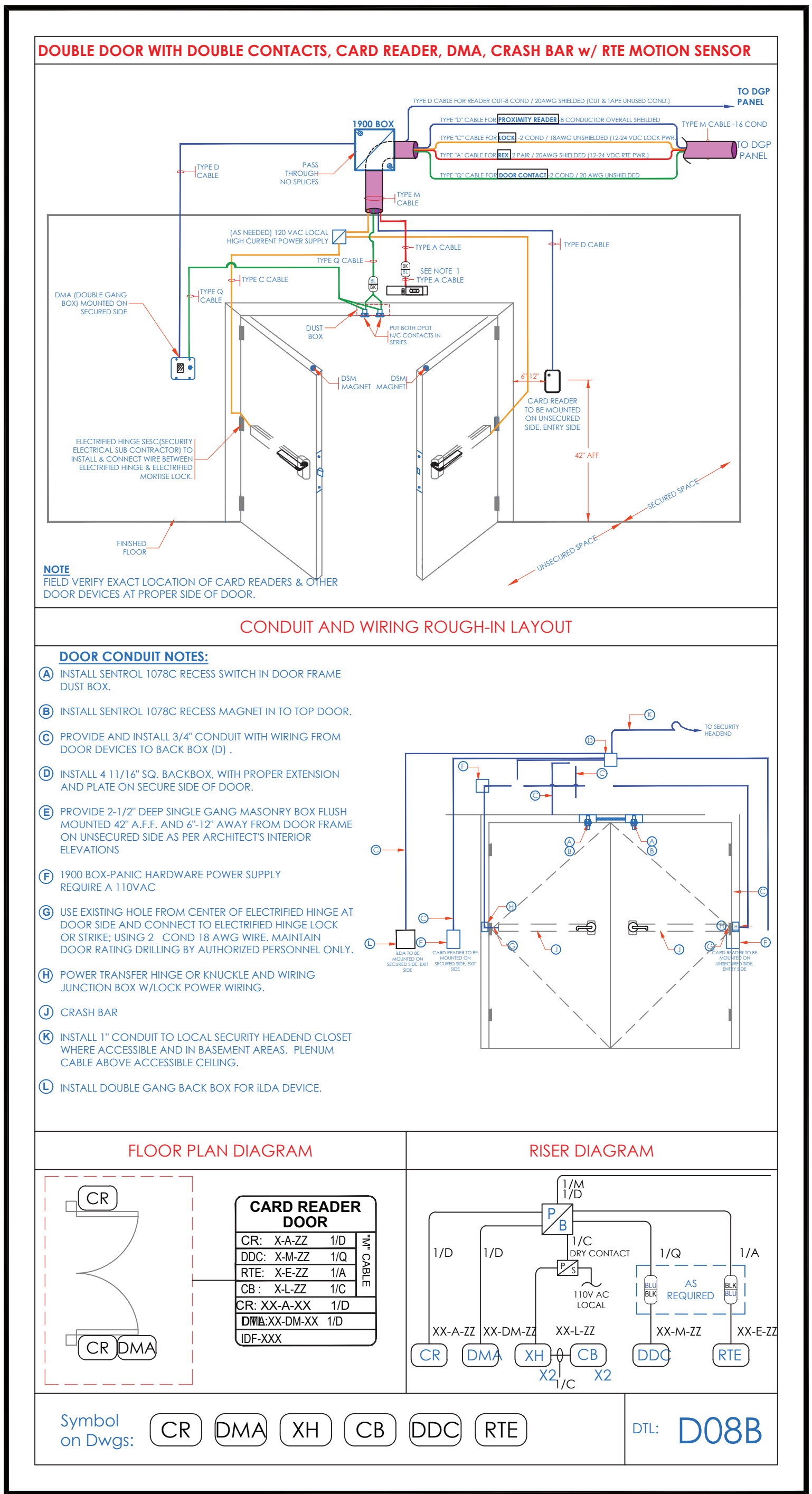
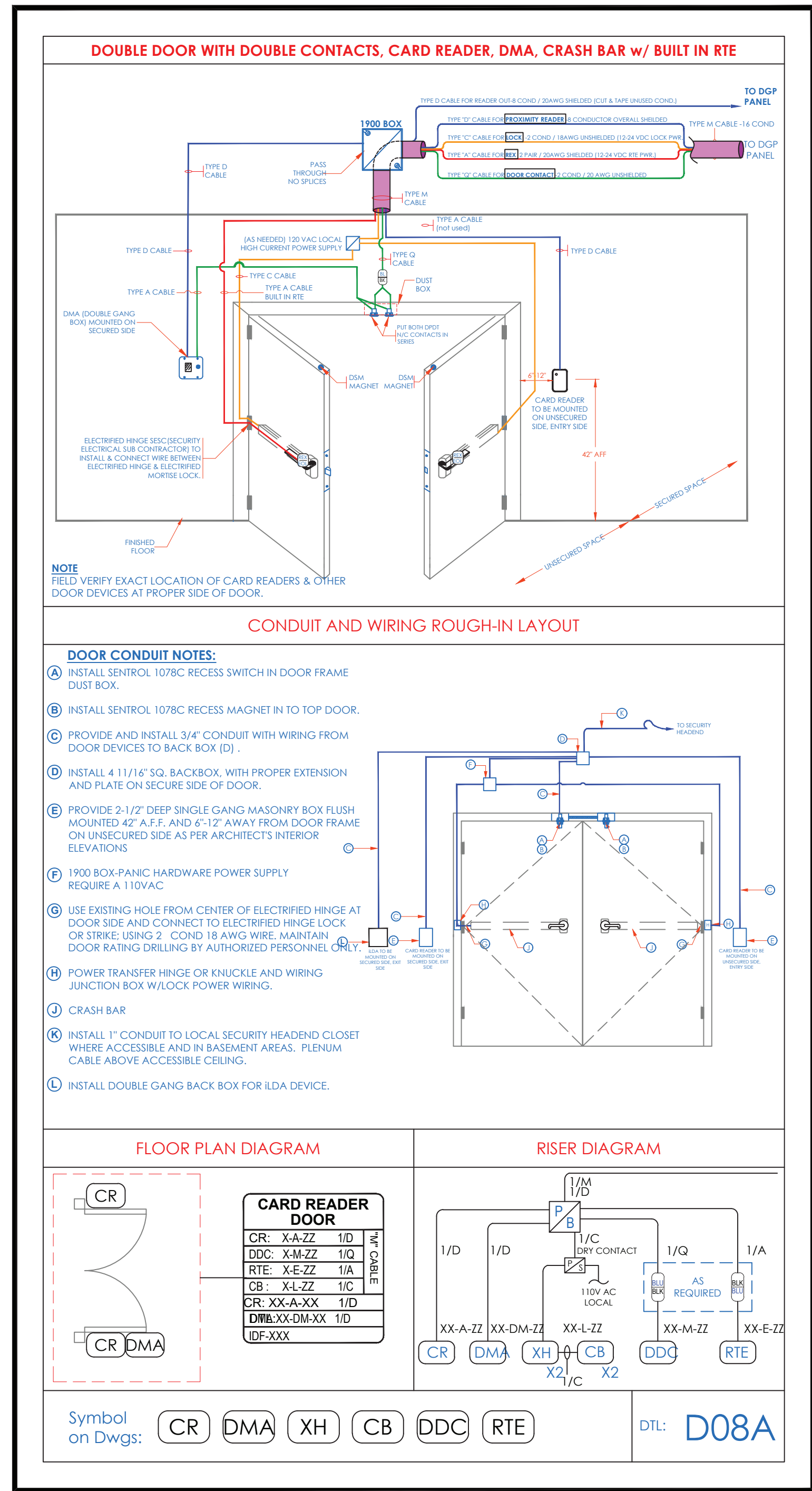
ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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PROJECT: RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE: SECURITY EQUIPMENT DETAIL 1 DOOR TYPICALS

I.T. C.A. E.M.
DESIGNED BY DRAWN BY CHECKED BY
WORK ORDER NO: DATE: 11/27/2019
XXXXXX SCALE: N.T.S.
S.A. NO: DRAWING NO:
XXXXXX SE-703



- NOTES:
1. DEVICE PLACEMENT, RISER DEPICTION, CABLE TYPE AND ROUTES, DEVICE TERMINATION AND OTHERS ARE FOR REFERENCE ONLY.
 2. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND VERIFYING THE ENTIRE DRAWINGS SET AND SPECIFICATIONS, VERIFY ACTUAL FIELD CONDITIONS AND DELIVER A TURN KEY SOLUTION TO CVI BIDE.
 3. CONTRACTOR TO VERIFY CAMERAS FIELD OF VIEW AND ADJUST AS NEEDED TO THE SATISFACTION OF BIDE SECURITY MANAGER.
 4. PRIOR TO PULLING CAT-4 WIRE, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.
 5. ALL CAT-4 CABLES TO BE TESTED AND CERTIFIED AS PER BID DOCUMENT.
 6. CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE AS BUILT.
 7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND AS BUILT SET IN BOTH "D" SET HARD COPY (PDF) AND A CD WITH "PDF" FORMAT.
 8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING. ITG'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

ISSUED FOR:	DATE	COMMENTS
1/10/2018	ISSUED FOR REVIEW / APPROVAL	
2/18/2019	ISSUED FULL SET FOR APPROVAL	
2/19/2019	REVIEWED & REVISED-ISSUED FOR APPROVAL	
7/15/2019	REVISED	
8/26/2019	ISSUED FOR BID	
10/6/2019	REVISED-ISSUED FOR BID	
11/15/2020	REVISED-ISSUED FOR BID	



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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

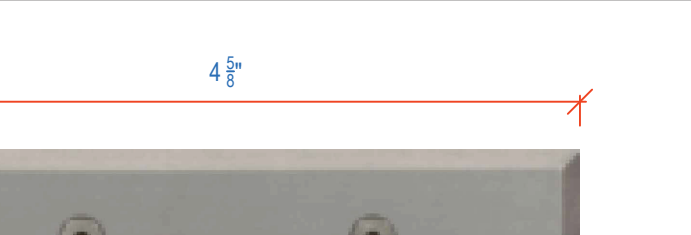
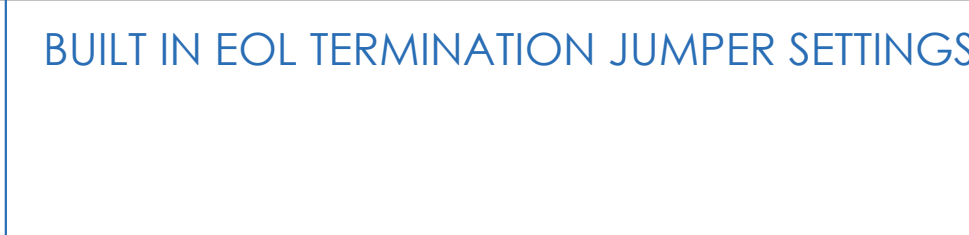
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SECURITY EQUIPMENT DETAIL 1A
DOOR TYPICALS

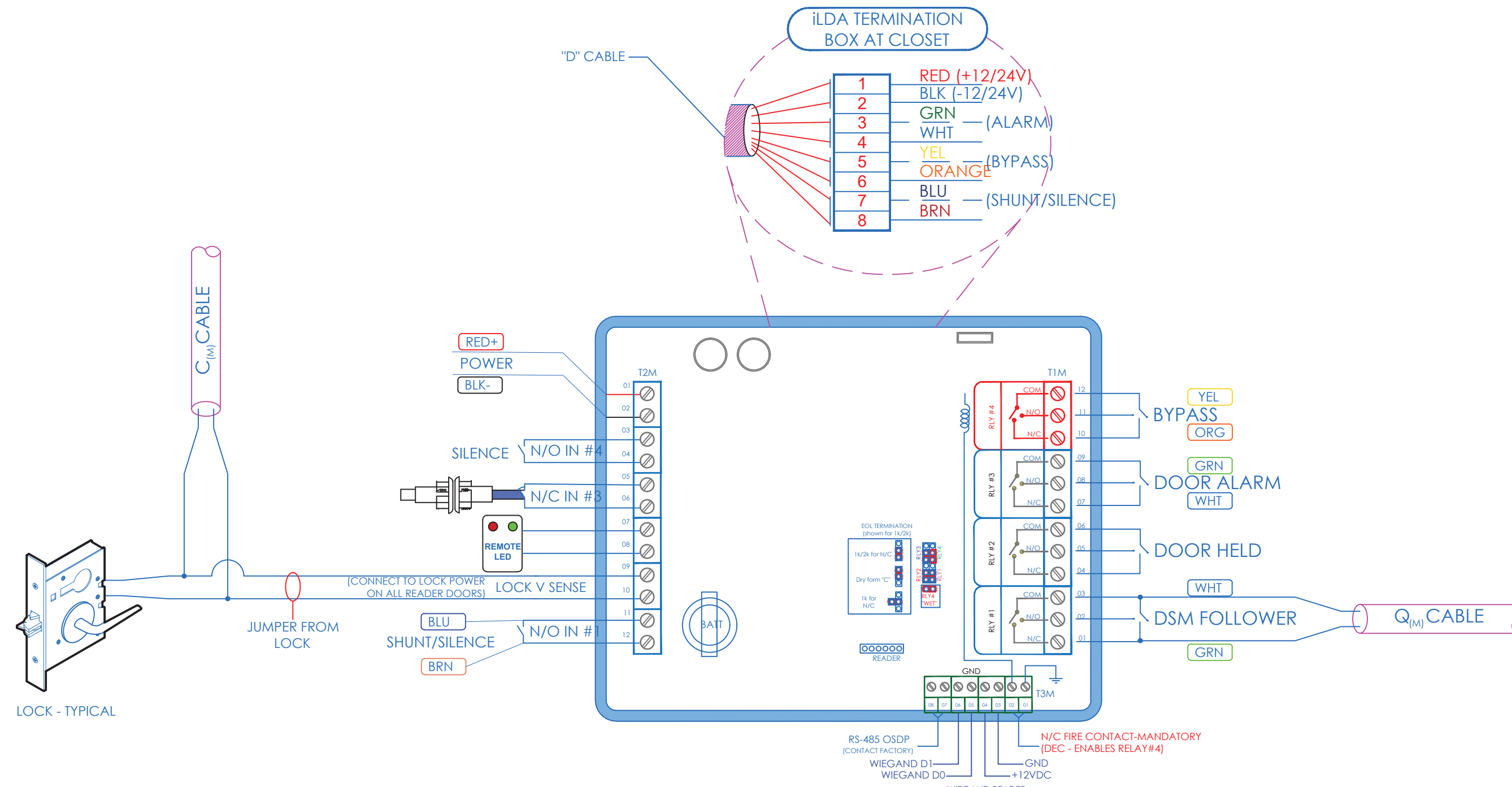
I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE: 11/27/2019	
XXXXXX	SCALE: N.T.S.	
S.A. NO:	DRAWING NO:	
XXXXXX	SE-703A	

NU2 SYSTEMS - ILDA

INTELLIGENT LOCAL DOOR ALARM

DEVICE DETAIL	JUMPER SETTINGS	SPECIFICATIONS
	<p>BUILT IN EOL TERMINATION JUMPER SETTINGS</p> <p>EOL TERMINATION (shown for 1k/2k)</p>  <p>1k/2k for N/C</p> <p>Dry form "C"</p> <p>1k for N/C</p> <p>(Do not) (populate)</p>	<p>Model: INTELLIGENT LOCAL DOOR ALARM</p> <p>Input Voltage: Range of 9-32VAC/VDC</p> <p>Mounting: Mounting: 2 Gang 1/2" deep electrical box</p> <p>Terminal strips: 2 x 12 pin fixed terminal strips accept up to 16 AWG wires</p> <p>Alarm sounder</p> <p>Voltage rating: 695 dB or 105dB</p> <p>Pulsing tones indicate warning alarm</p> <p>Decibel(dB) level is programmable</p> <p>Time Delays</p> <p>Access delay: Shunts the alarm function for the duration of the delay.</p> <p>Warning delay: Sets the duration of the warning alarm.</p> <p>Alarm automatic reset delay: Sets the duration of an alarm if the automatic reset feature is enabled.</p> <p>Operational Functions:The ILDA display will show "SECURE" or "ARMED" in dark green and will also display time/date.</p>

WIRING DIAGRAM

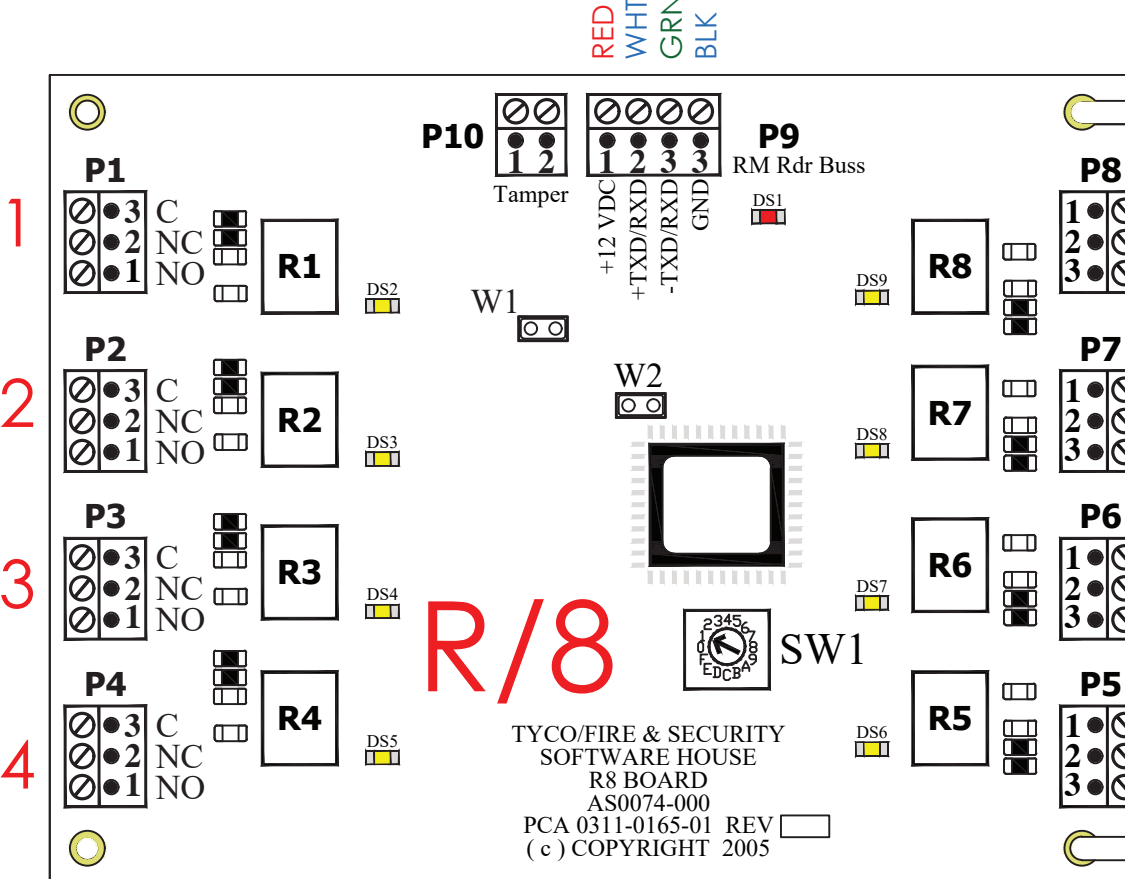
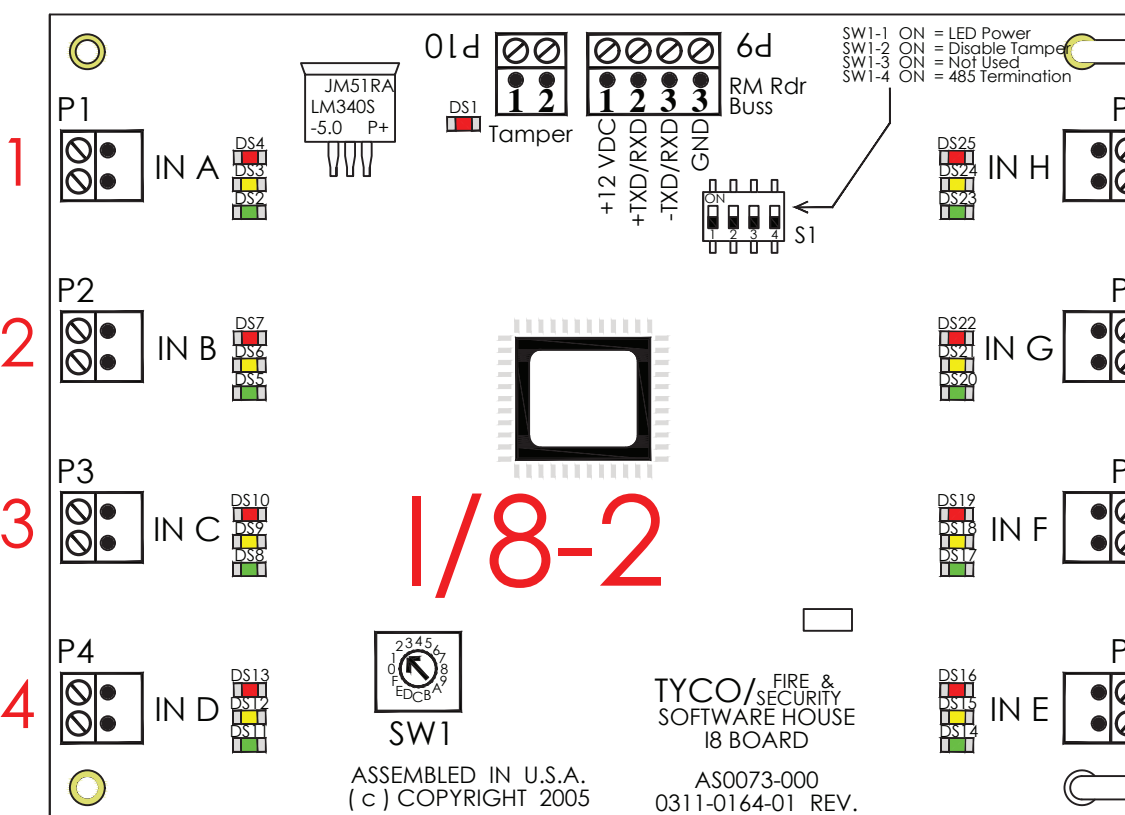
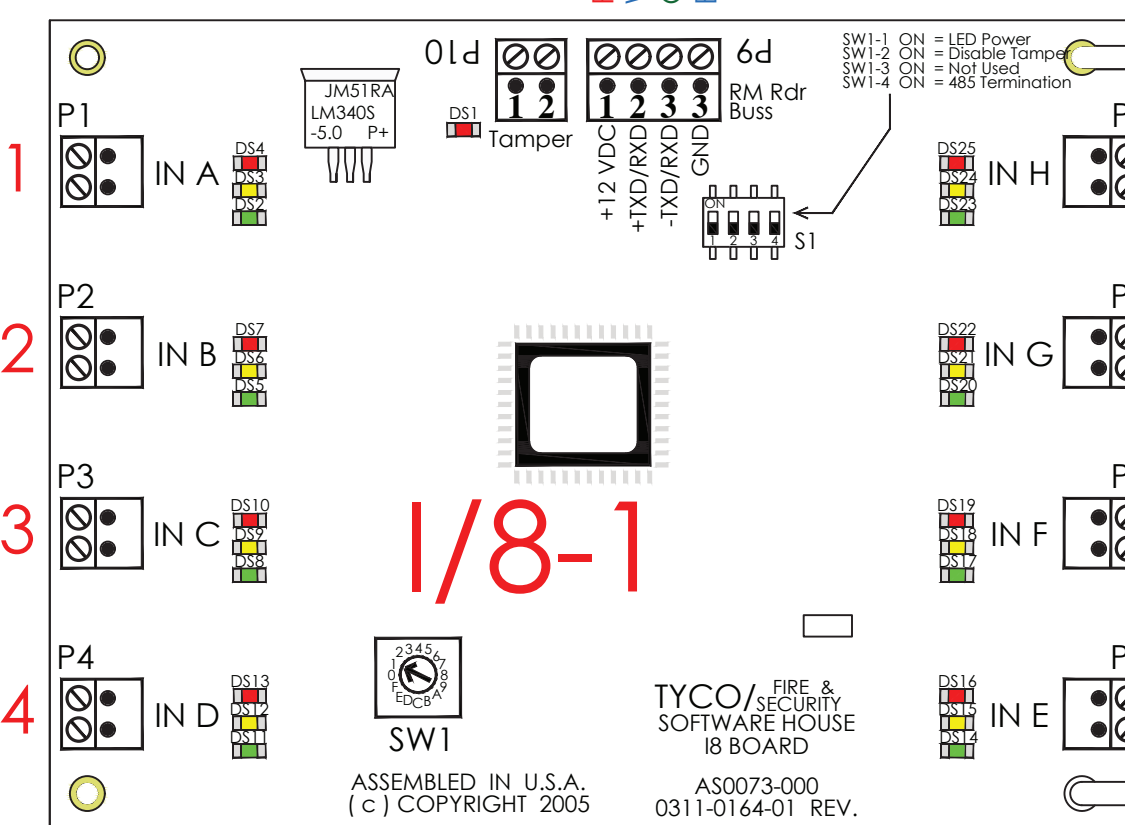
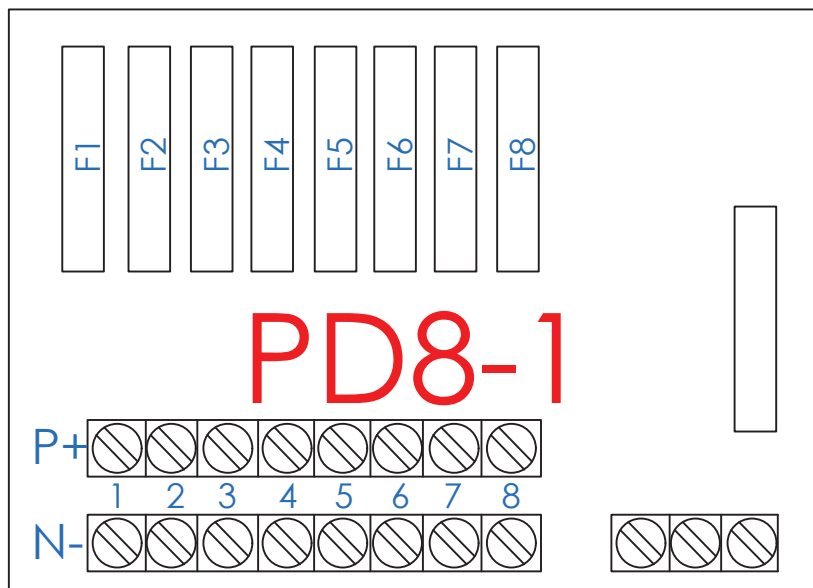


Symbol on Dwgs: 

DTL: 

ILDA TERMINATION: DMA DOORS 1-8

INTERNAL WIRING OF THIS CONTROL TERMINATION BOX WILL BE PERFORMED AND DELIVERED BY ITG. CONTRACTOR TO TERMINATE 8 CONDUCTOR ("D") CABLE AS PER SHOWN COLOR CODED TERMINAL



Terminal	Wire Color	Function	Destination
PD8-F1	RED (+12/24V)		DMA #1
	BLK (-12/24V)		
I8-1-A	GRN — (ALARM)		
	WHT — (ALARM)		
I8-1-B	YEL — (BYPASS)		DMA #2
	ORANGE — (BYPASS)		
R8-1-A	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		
PD8-F2	RED (+12/24V)		DMA #3
	BLK (-12/24V)		
I8-1-C	GRN — (ALARM)		
	WHT — (ALARM)		
I8-1-D	YEL — (BYPASS)		DMA #4
	ORANGE — (BYPASS)		
R8-1-B	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		
PD8-F3	RED (+12/24V)		DMA #5
	BLK (-12/24V)		
I8-1-E	GRN — (ALARM)		
	WHT — (ALARM)		
I8-1-F	YEL — (BYPASS)		DMA #6
	ORANGE — (BYPASS)		
R8-1-G	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		
PD8-F4	RED (+12/24V)		DMA #7
	BLK (-12/24V)		
I8-1-G	GRN — (ALARM)		
	WHT — (ALARM)		
I8-1-H	YEL — (BYPASS)		DMA #8
	ORANGE — (BYPASS)		
R8-1-D	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		
PD8-F5	RED (+12/24V)		DMA #9
	BLK (-12/24V)		
I8-2-A	GRN — (ALARM)		
	WHT — (ALARM)		
I8-2-B	YEL — (BYPASS)		DMA #10
	ORANGE — (BYPASS)		
R8-1-E	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		
PD8-F6	RED (+12/24V)		DMA #11
	BLK (-12/24V)		
I8-2-C	GRN — (ALARM)		
	WHT — (ALARM)		
I8-2-D	YEL — (BYPASS)		DMA #12
	ORANGE — (BYPASS)		
R8-1-F	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		
PD8-F7	RED (+12/24V)		DMA #13
	BLK (-12/24V)		
I8-2-E	GRN — (ALARM)		
	WHT — (ALARM)		
I8-2-F	YEL — (BYPASS)		DMA #14
	ORANGE — (BYPASS)		
R8-1-G	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		
PD8-F8	RED (+12/24V)		DMA #15
	BLK (-12/24V)		
I8-2-G	GRN — (ALARM)		
	WHT — (ALARM)		
I8-2-H	YEL — (BYPASS)		DMA #16
	ORANGE — (BYPASS)		
R8-1-H	BLU — (SHUNT/SILENCE)		
	BRN — (SHUNT/SILENCE)		

NOTE: ILDA's 9-16 ARE TERMINATED IN DMA TERMINATION BOX #2 (not shown) IN DEVICE POSITIONS 1-8.
SEE SE-300 CLOSET DETAILS FOR MOUNTING OF BOXES 1&2. SEE ILDA/DMA TERMINATION MATRIX THIS PAGE

ILDA/DMA TERMINATION MATRIX

DMA

ILDA/DMA TERMINATION MATRIX				
CLOSET	BOX	PORT	CAD	LOCATION
CLOSET - 1	ENCLOSURE - 1	1	B-01-01-01	GYMNASIUM DOOR
		2	B-02-01-02	CLASSROOM 14
		3	B-03-01-03	CLASSROOM 12
		4	B-04-01-04	MECH.
		5	B-05-01-05	CLASSROOM 110
		6	1-06-01-06	NORTH DOOR @ STAIRS
		7	1-07-01-07	VEST - SE
		8	1-08-01-08	VEST - NE
	ENCLOSURE - 2	1	1-09-02-01	CLASSROOM 19
		2	1-10-02-02	REAR DOOR-CUSTODIAL ARMING STATION
		3	1-11-02-03	AUDITORIUM EXTERIOR DOOR
		4	2-12-02-04	MAIN DOOR
		5	2-13-02-05	VEST - SW
		6	2-14-02-06	OFFICE COAT ROOM
7		2-15-02-07	CORRIDOR EXTERIOR NE DOOR	
8		SPARE		

1. THE DEVICE PLACEMENT, RISER DEPICTION, CABLE TYPES AND ROUTES, DEVICE TERMINATION AND OTHERS ARE FOR REFERENCE ONLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND VERIFYING THE ENTIRE DRAWING SET AND THE FIELD CONDITIONS. VERIFY ACTUAL FIELD CONDITIONS AND DELIVER A TRUE KEY SOLUTION TO COY BOE.
3. CONTRACTOR TO VERIFY CAMERAS FIELD OF VIEW AND ADJUST AS NECESSARY TO OBTAIN SATISFACTION OF BOE SECURITY MANAGER.
4. PRIOR TO PULLING CAT-6 WIRES, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT TO EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.
5. ALL CAT-6 CABLES TO BE TESTED AND CERTIFIED AS PER THE DOCUMENT.
6. CONTRACTOR TO MAKE ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE "AS BUILT".
7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND "AS BUILT" SET IN BOTH "D" SIZE HARD COPY (2 SETS) AND A CD WITH .PDF FORMAT.
8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING. IT'S ROLE IS LIMITED TO SYSTEM PROGRAMMING.

ISSUED FOR:	
DATE	COMMENTS
1/10/2018	ISSUED FOR REVIEW / APPROVAL
2/18/2019	ISSUED FULL SET FOR APPROVAL
2/19/2019	REVIEWED & REVISED-ISSUED FOR APPROVAL
7/15/2019	REVISED
8/26/2019	ISSUED FOR BID
10/6/2019	REVISED-ISSUED FOR BID
11/15/2020	REVISED-ISSUED FOR BID



ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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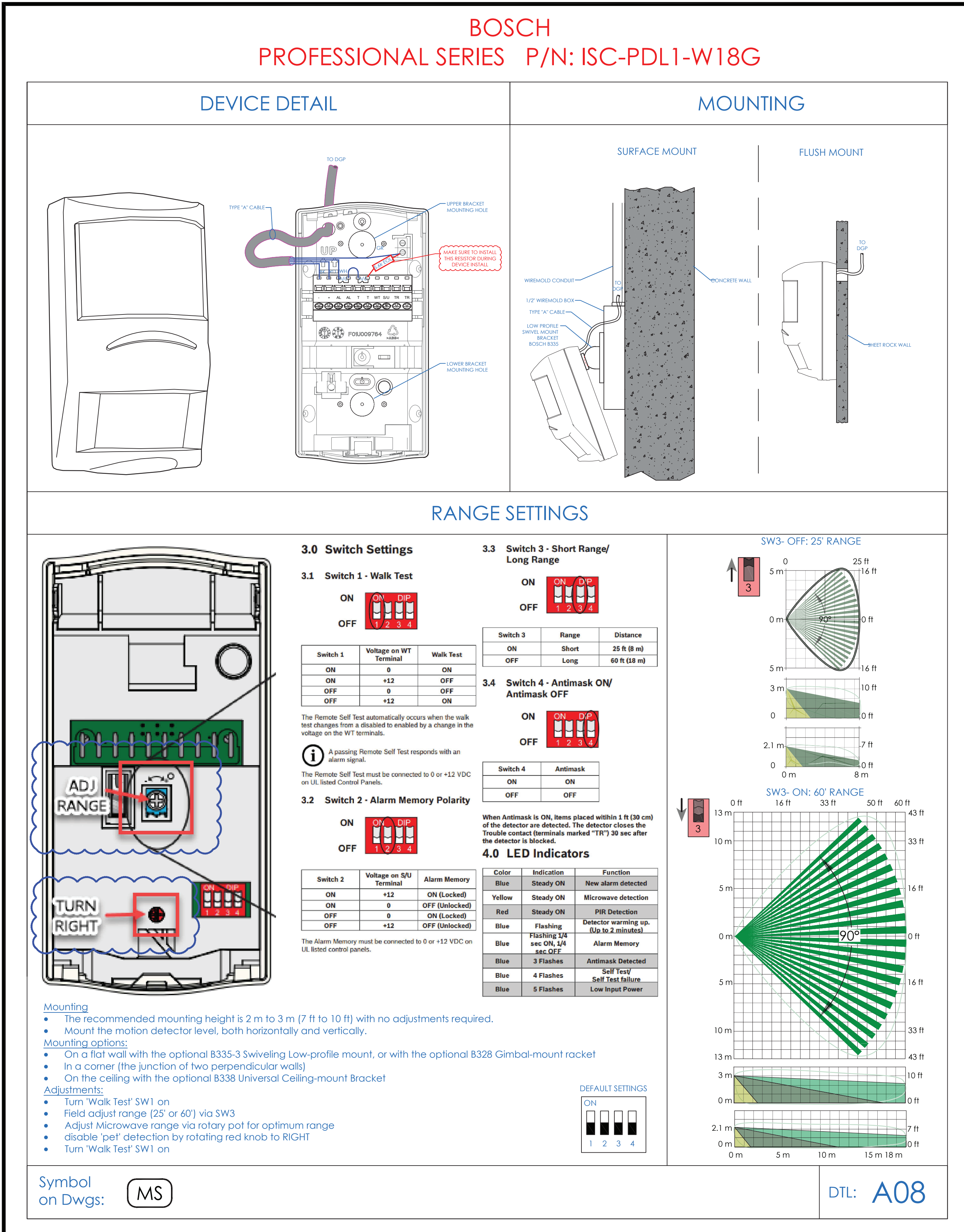
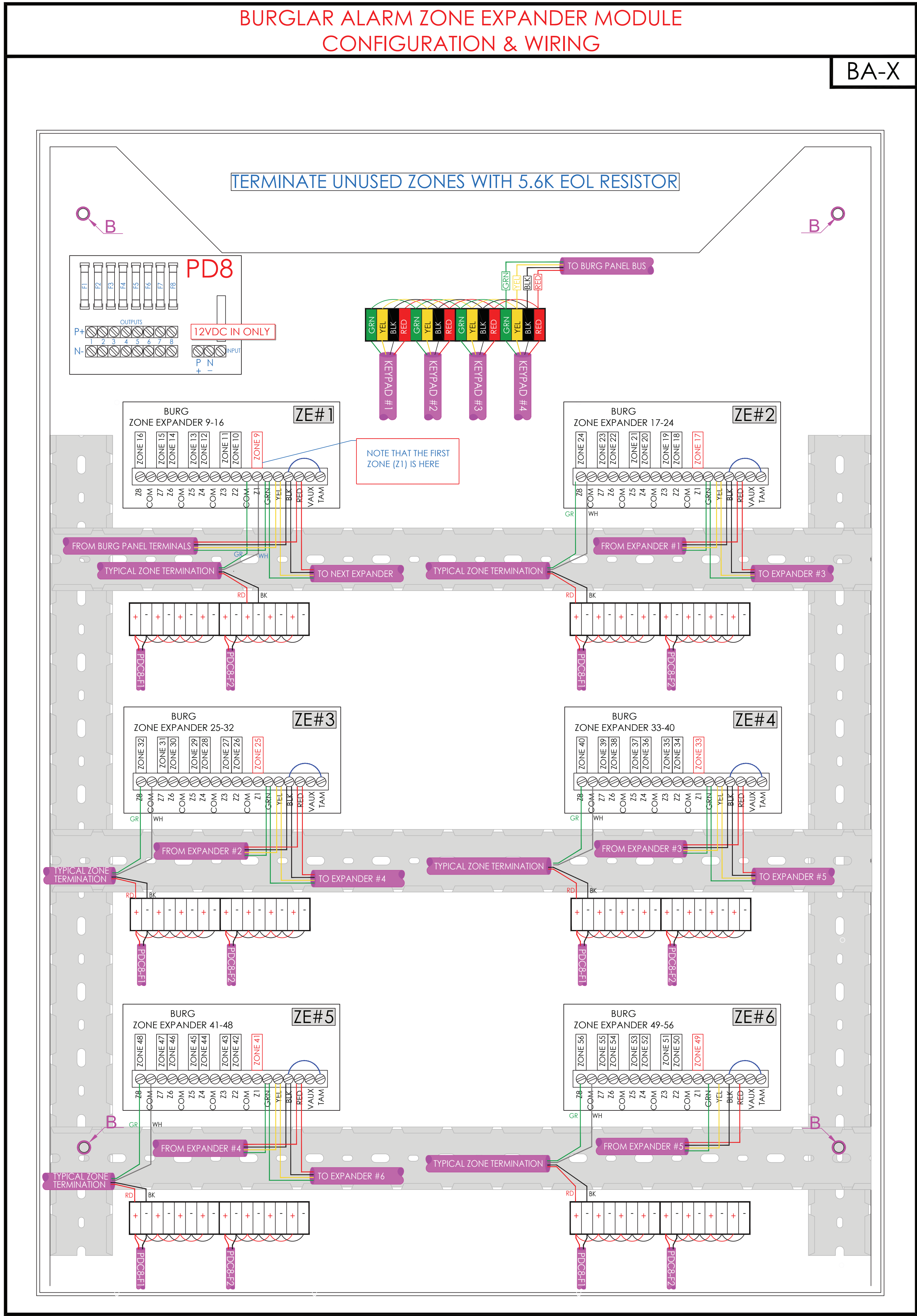
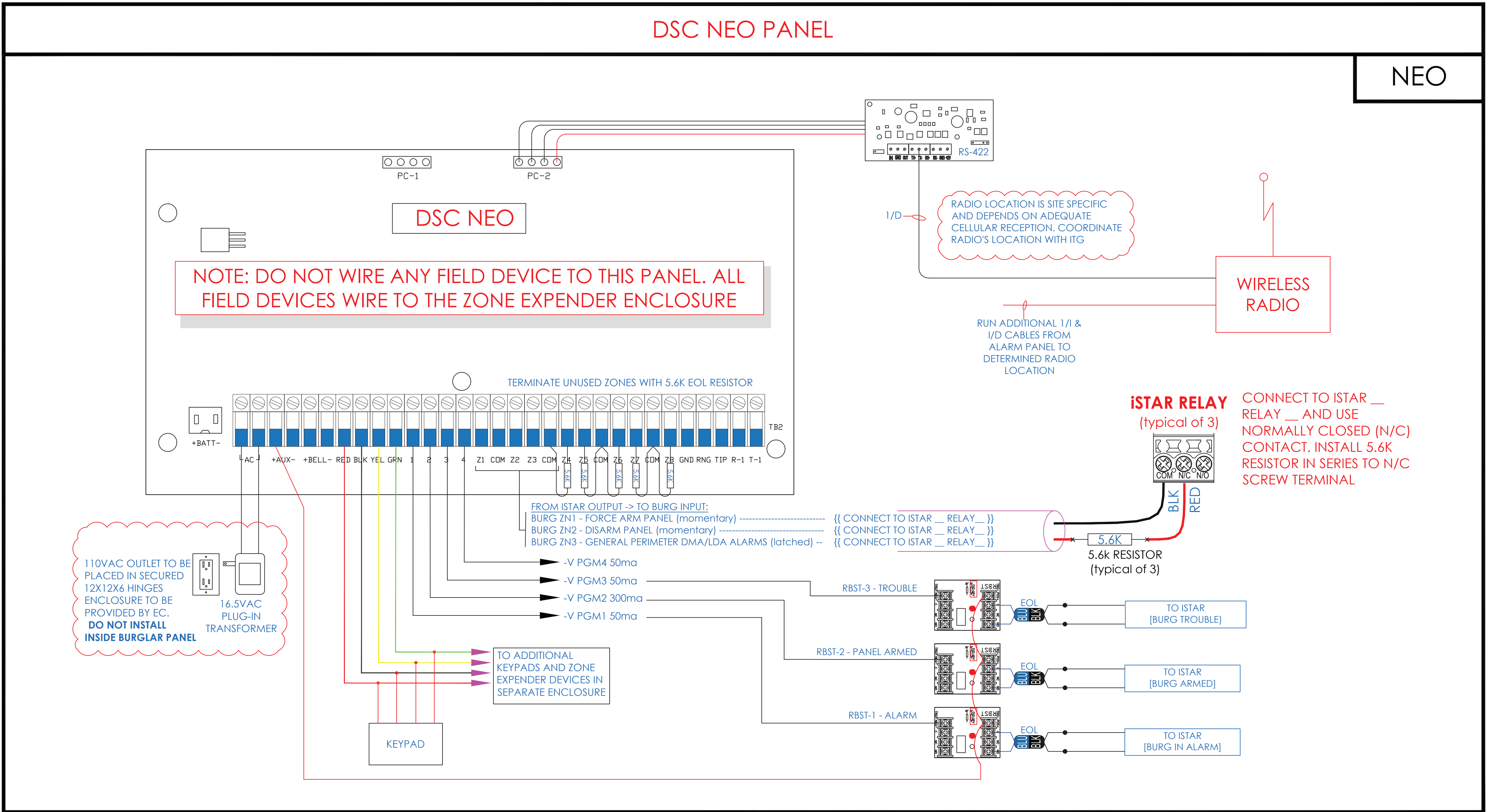
PROJECT:

RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE: _____

SECURITY EQUIPMENT DETAIL 3 ILDA DEVICE TYPICALS

I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO:	DATE: 11/27/2019	
XXXXXX	SCALE: N.T.S.	
S.A. NO:	DRAWING NO:	
XXXXXX	SE-705	



BURGLAR ALARM ZONE DETAIL

(TO BE FILLED BY INSTALLING CONTRACTOR)

BA-Z

SEE ZONE TERMINATION ENCLOSURE (BA-X) THIS PAGE

BURGLAR ALARM TERMINATION MATRIX						
	PORT	ZONE	DEVICE TAG	LOCATION		
PANEL		1		Force-Arm panel. Momentary contact from iStar		
		2		Disarm panel. Momentary contact from iStar		
		3		ILDA Door Alarm - Dry Contact from iStar		
		4				
		5				
		6				
		7				
		RLV 1		Burg "ALARM" notification to iStar		
		RLV 2		"ARMED" Status to iStar (to Shut off lights)		
		RLV 3		Burg "TROUBLE" notification to iStar		
ZE #1		Z1	9	B-01-01-09	GYMNASIUM	
		Z2	10	B-02-01-10	CORRIDOR	
		Z3	11	B-03-01-11	CORRIDOR	
		Z4	12	B-04-01-12	CLASSROOM 14	
		Z5	13	B-05-01-13	CLASSROOM 12	
		Z6	14	B-06-01-14	CLASSROOM 110	
		Z7	15	B-07-01-15	CORRIDOR	
		Z8	16	B-08-01-16	CORRIDOR	
	ZE #2		Z1	17	1-09-02-17	CORRIDOR
			Z2	18	1-10-02-18	CORRIDOR
		Z3	19	1-11-02-19	CORRIDOR	
		Z4	20	1-12-02-20	CORRIDOR	
		Z5	21	1-13-02-21	CLASSROOM 19	
		Z6	22	1-14-02-22	REAR DOOR - CUSTODIAL ARMING STATION	
		Z7	23	1-15-02-23	OFFICE	
		Z8	24	1-16-02-24	LOBBY	
ZE #3		Z1	25	2-17-03-25	CORRIDOR	
		Z2	26	2-18-03-26	OFFICE COAT ROOM	
		Z3	27	2-19-03-27	CORRIDOR	
		Z4	28	2-20-03-28	CORRIDOR	
		Z5	29	2-21-03-29	CORRIDOR	
		Z6	30	2-22-03-30	STAIR	
		Z7	31		SPARE	
		Z8	32		SPARE	

- NOTES:
1. DEVICE PLACEMENT, RISER DEPICTION, CABLE TYPES AND ROUTES, DEVICE TERMINATION AND OTHERS ARE FOR REFERENCE ONLY.
 2. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND VERIFYING THE ENTIRE DRAWINGS SET AND SPECIFICATIONS. VERIFY ACTUAL FIELD CONDITIONS AND DELIVER A TURN KEY SOLUTION TO CITY/STATE.
 3. CONTRACTOR TO VERIFY CAMERA'S FIELD OF VIEW AND ADJUST AS NEEDED TO THE SATISFACTION OF THE SECURITY MANAGER.
 4. PRIOR TO PULLING CAT-4 WIRES, CONTRACTOR TO VERIFY CABLE LENGTH DOES NOT EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.
 5. ALL CAT-4 CABLES TO BE TESTED AND CERTIFIED AS PER BID DOCUMENT.
 6. CONTRACTOR TO MARK ANY DEVIATIONS FROM THE PROVIDED RISER AND NOTE ON THE "AS BUILT" COPY (2.18) AND A CD WITH .PDF FORMAT.
 7. CONTRACTOR TO PRODUCE AND DELIVER A BOUND "AS BUILT" SET IN BOTH "PDF" AND "CD" COPY (2.18) AND A CD WITH .PDF FORMAT.
 8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING. ITS ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

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DATE: COMMENTS:

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8/26/2019 ISSUED FOR BID

10/6/2019 REVISED-ISSUED FOR BID

11/15/2020 REVISED-ISSUED FOR BID

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RIVERSIDE HIGH SCHOOL

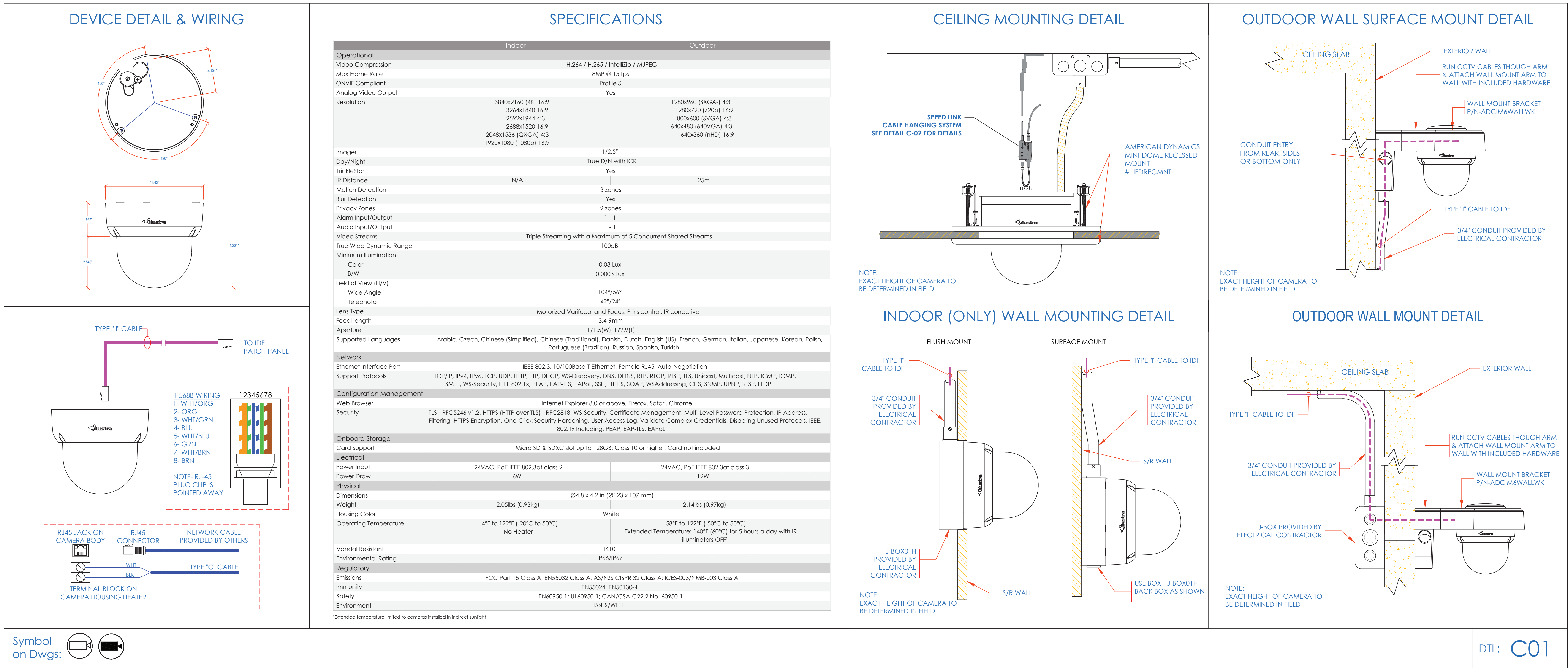
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:

SECURITY EQUIPMENT DETAIL 4
BURG DEVICE TYPICALS

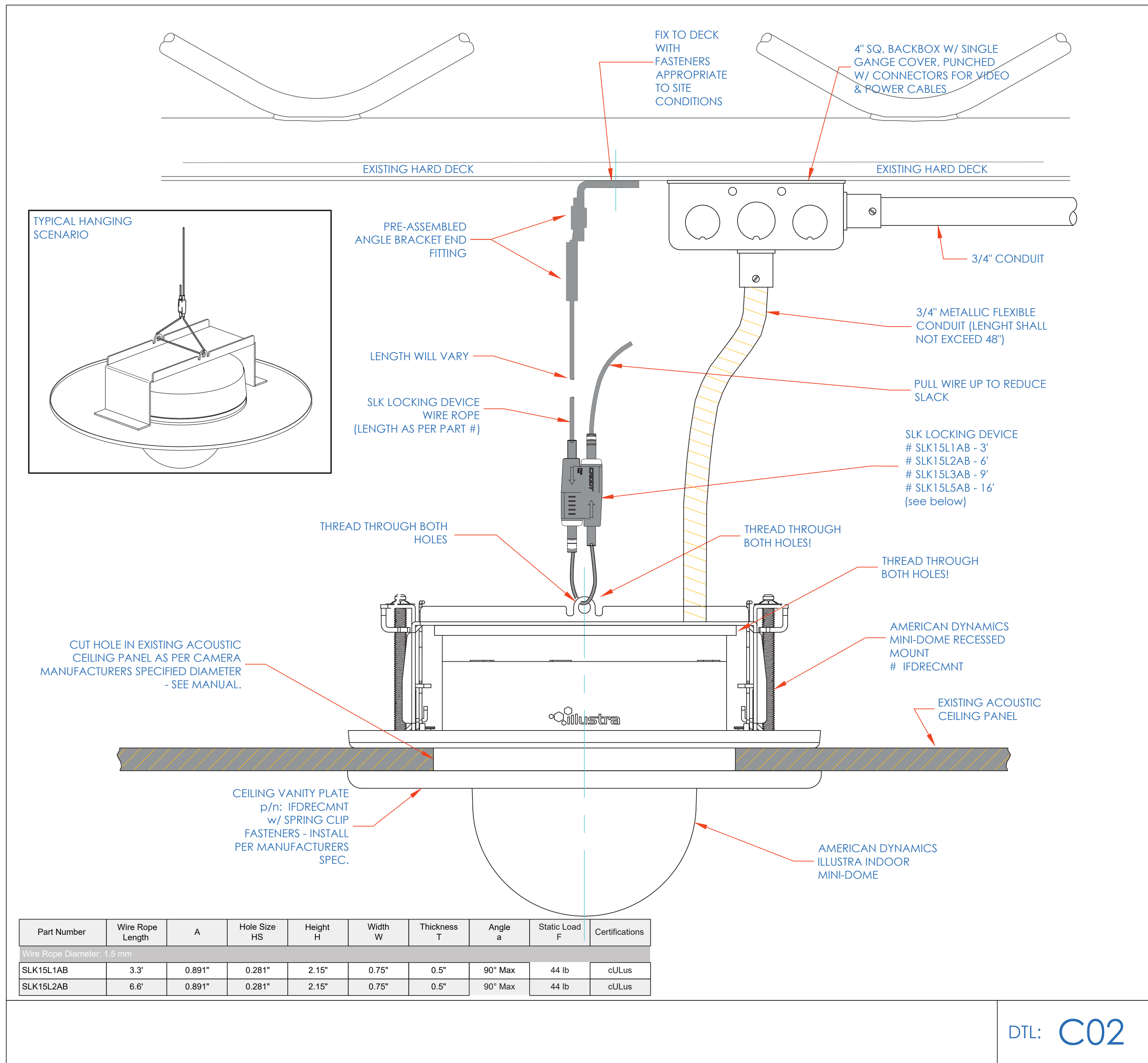
I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO.	DATE	11/27/2019
XXXXXX	SCALE	N.T.S.
S.A. NO.	DRAWING NO.	
XXXXXX	SE-705A	

TYCO - ILLUSTRATE FLEX 4K MINI DOME
8MP MINI DOME p/n: IFS08D2ICWTT (INDOOR) & IFS08D2OCWTT (OUTDOOR)



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 8. CONTRACTOR IS RESPONSIBLE FOR SYSTEM COMMISSIONING. ITG'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

nVent CADDY
SPEED LINK SLK WITH ANGLE BRACKET



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PROJECT:
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVE
YONKERS, NY 10701

TITLE:		
SECURITY EQUIPMENT DETAIL 5 CCTV TYPICALS		
I.T.	C.A.	E.M.
DESIGNED BY	DRAWN BY	CHECKED BY
WORK ORDER NO.	DATE	SCALE
XXXXXX	11/27/2019	NO SCALE
S.A. NO.	DRAWING NO.	
XXXXXX	SE-706	