

UNIVERSITY OF SOUTH CAROLINA

BURSAR - REGISTRAR OFFICE EXPANSION - UTS RENOVATIONS COLUMBIA, SC

OSE Project #H27-Z052-A
A/E Project #08040.04

July 23, 2013

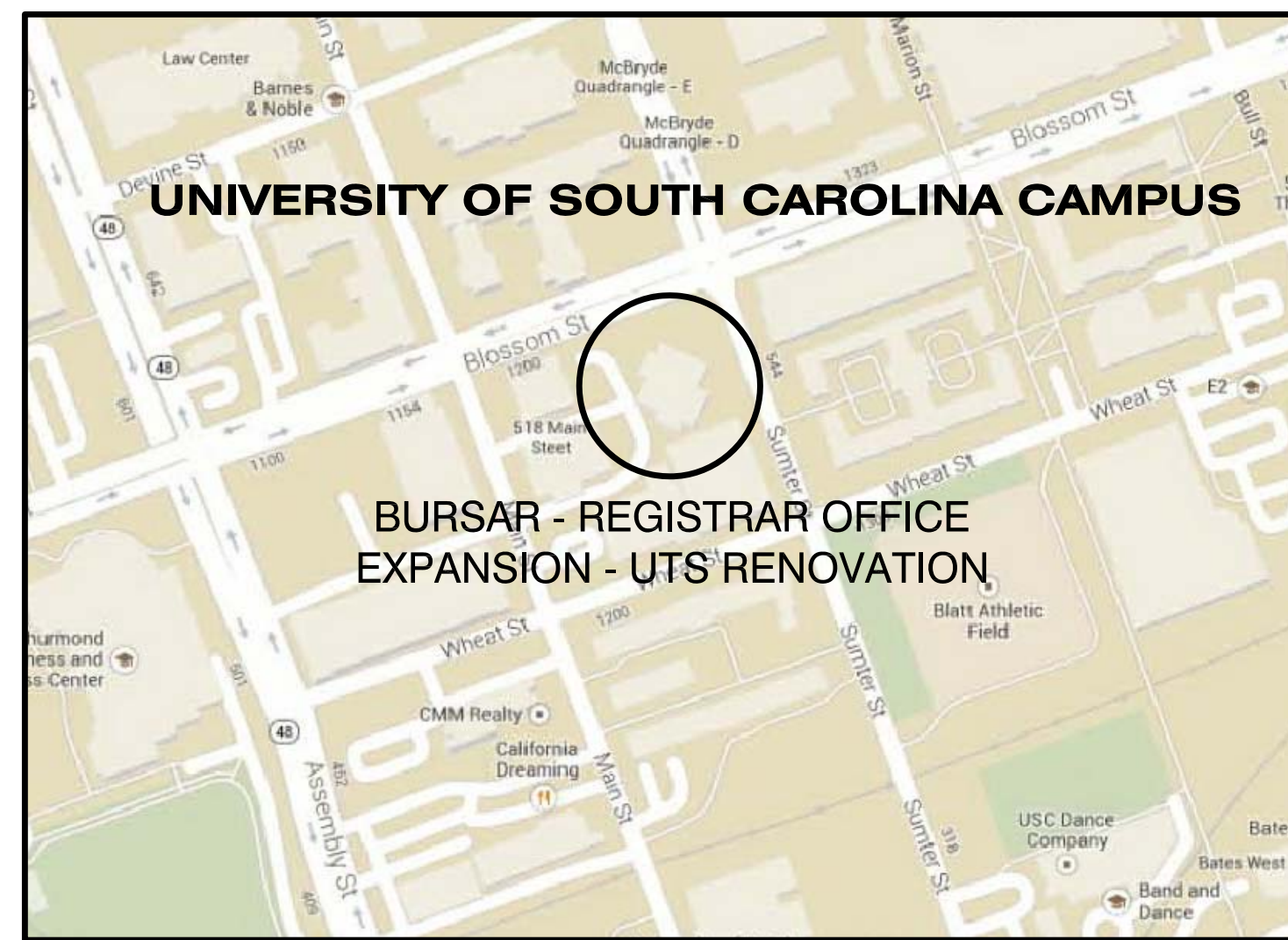
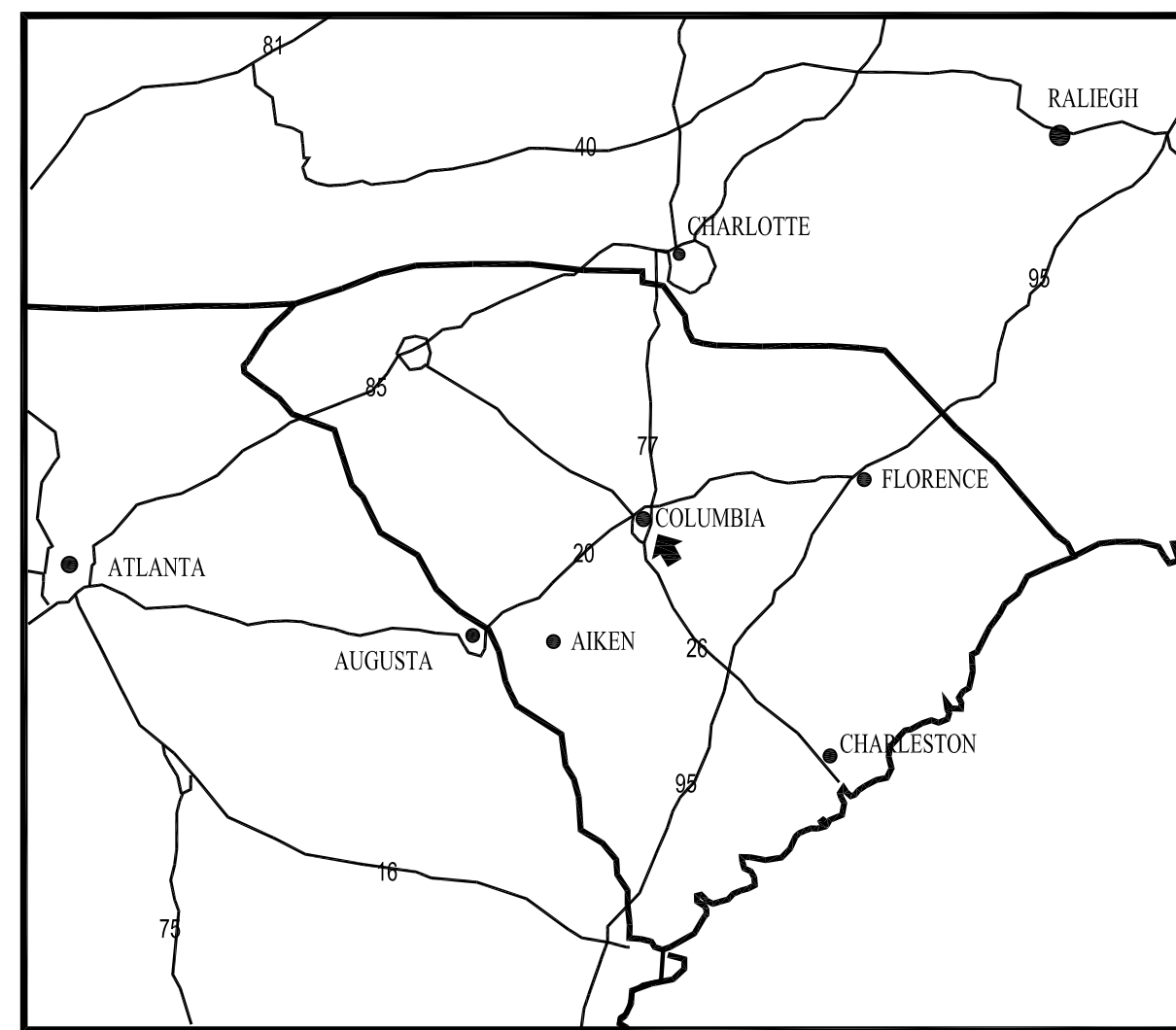
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KEY PLAN



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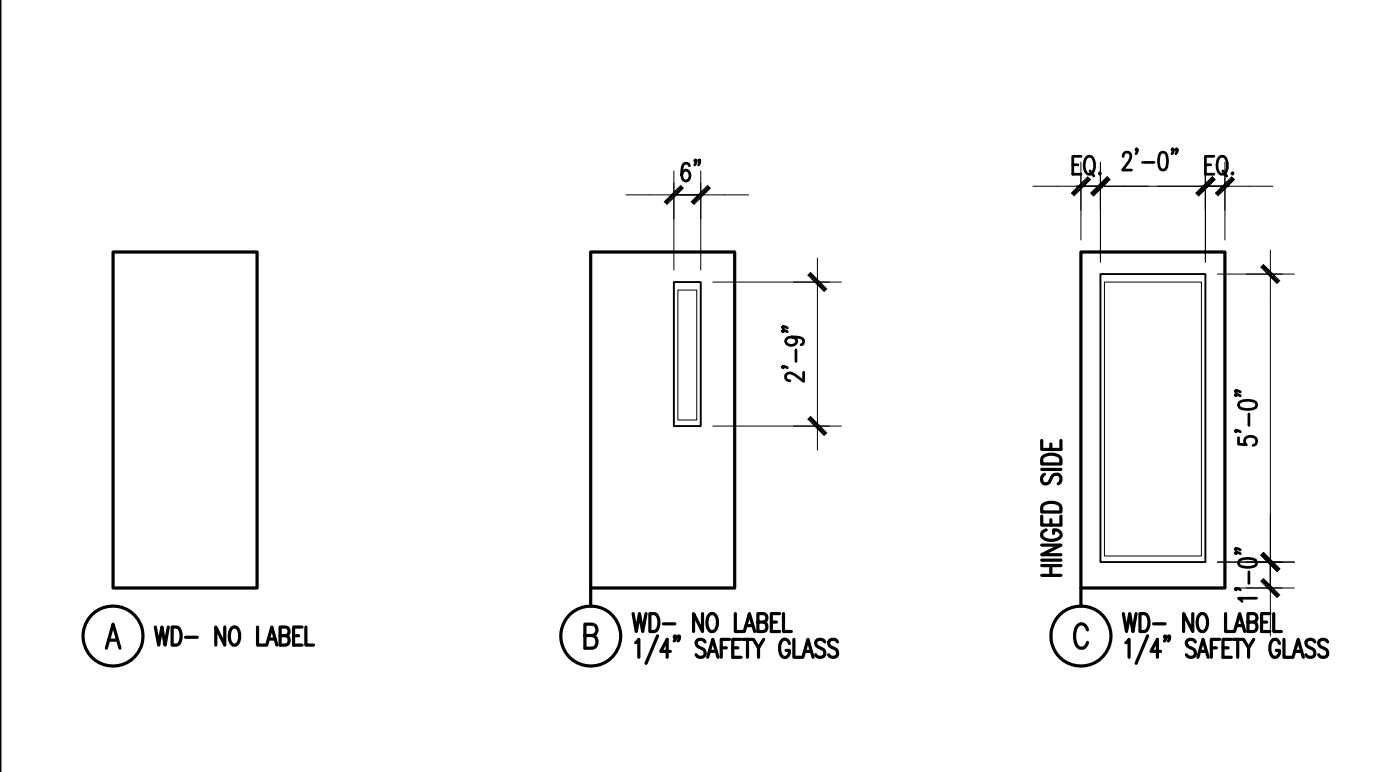
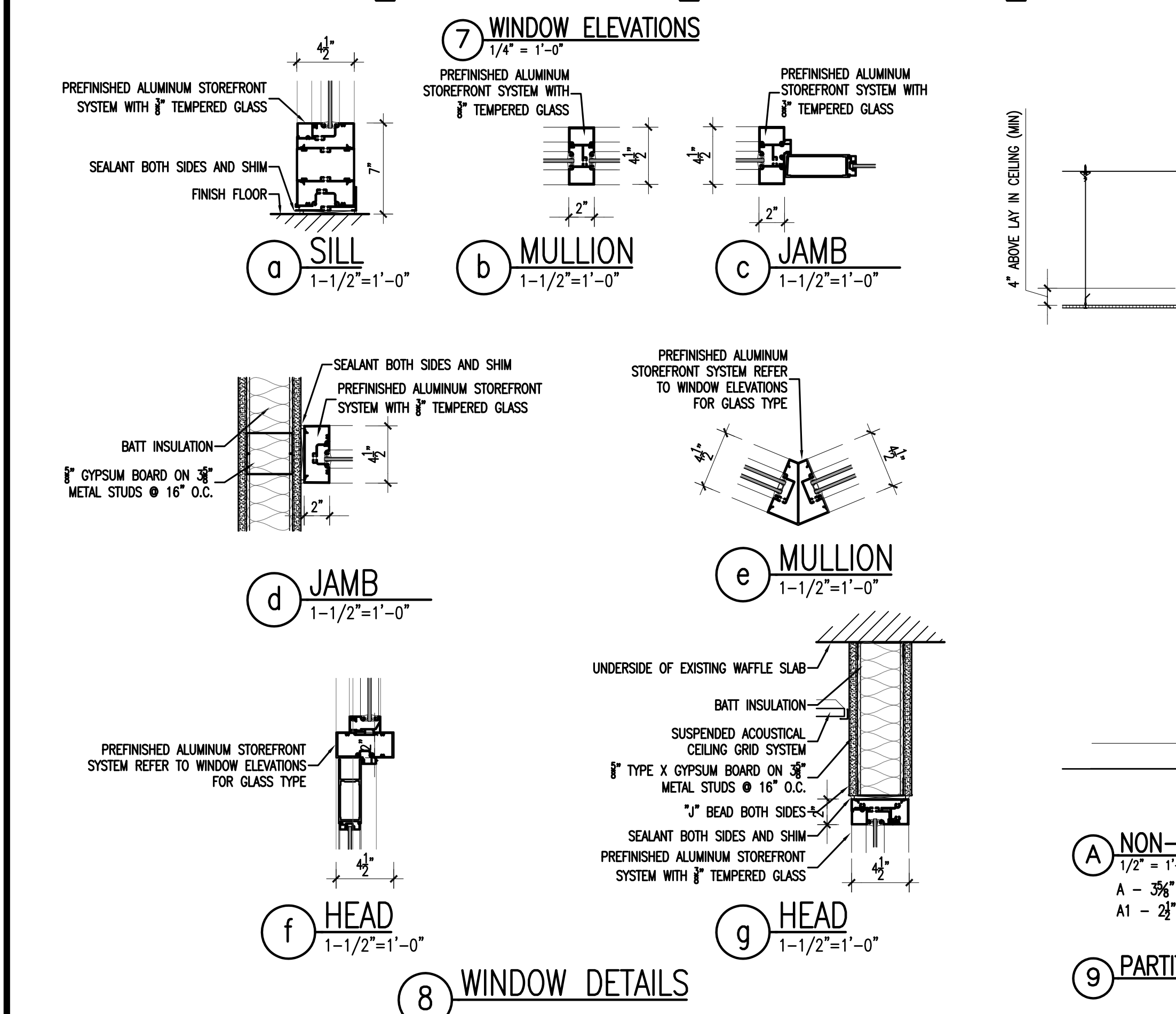
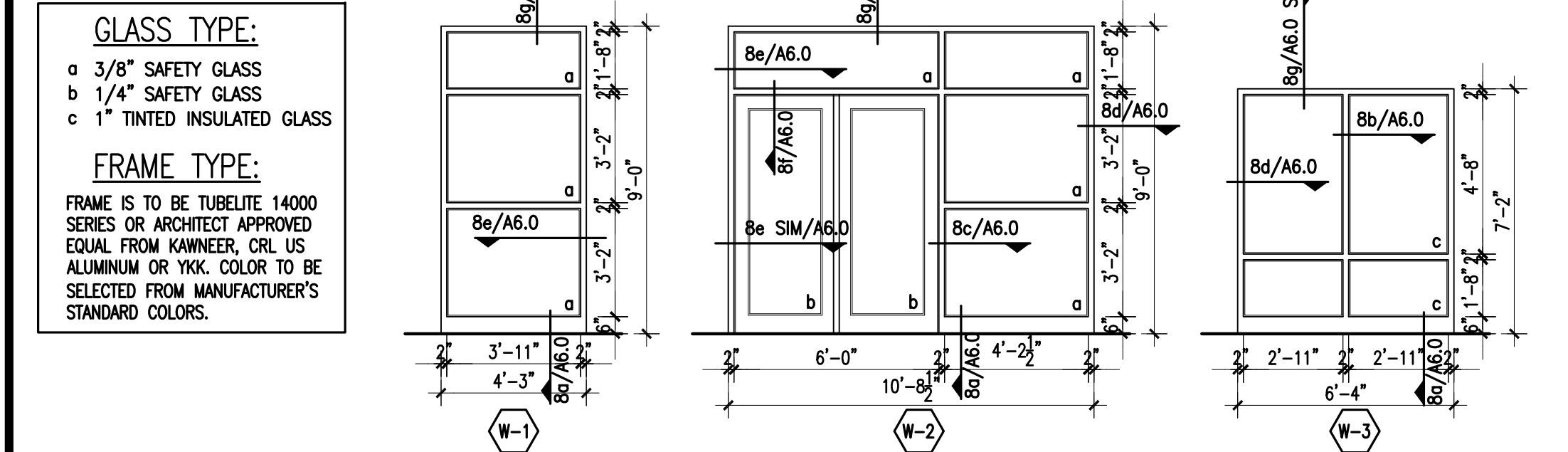
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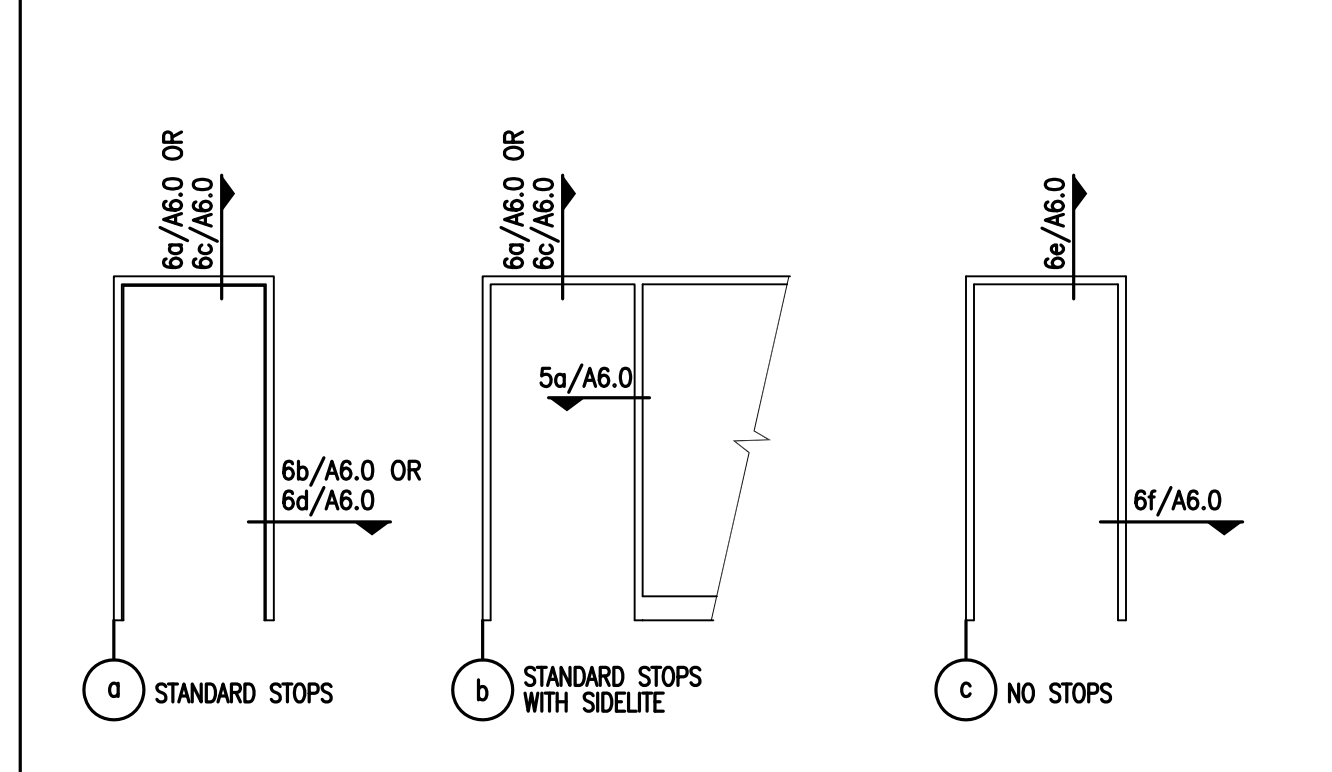
FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR		BASE	WALLS		CEILING		REMARKS
		FINISH	ACCENT		FINISH	ACCENT	FINISH	ACCENT	
FIRST FLOOR									
H101	CORRIDOR	CT		CT	PNT		EXIST		
H102	CORRIDOR	CPT		RB	PNT		ACT		
H103	CORRIDOR	CPT		RB	PNT		ACT		
H104	CORRIDOR	CPT		RB	PNT		ACT		
H105	CORRIDOR	CPT		RB	PNT		ACT		
H106	CORRIDOR	CPT		RB	PNT		ACT		
H107	CORRIDOR	CPT		RB	PNT		ACT		
H108	CORRIDOR	CPT		RB	PNT		ACT		
H109	CORRIDOR	CPT		RB	PNT		ACT		
101	LOBBY	EXIST		RB	PNT		EXIST		NOTE 1
101A	SECURITY	EXIST		RB	PNT		ACT		NOTE 1
102	MEN	CT		CT	CT		ACT		
103	WOMEN	CT		CT	CT		ACT		
104	OFFICE	CPT		RB	PNT		ACT		
105	OFFICE	CPT		RB	PNT		ACT		
106	WAITING	CPT		RB	PNT		ACT	PNT	
106A	OFFICE	CPT		RB	PNT		ACT		
106B	OFFICE	CPT		RB	PNT		ACT		
106C	OFFICE	CPT		RB	PNT		ACT		
106D	OFFICE	CPT		RB	PNT		ACT		
106E	SERVICE COUNTER	CPT		RB	PNT		ACT		
108	OFFICE	CPT		RB	PNT		ACT		
108A	OFFICE	CPT		RB	PNT		ACT		
109	OFFICE	CPT		RB	PNT		ACT		
109A	OFFICE	CPT		RB	PNT		ACT		
110	OFFICE	CPT		RB	PNT		ACT		
111	OFFICE	CPT		RB	PNT		ACT		
112	OFFICE	CPT		RB	PNT		ACT		
113	OFFICE						ACT		
114	OFFICE	CPT		RB	PNT		ACT		
115	OFFICE	CPT		RB	PNT		ACT		
116	OFFICE	CPT		RB	PNT		ACT		
117	OFFICE	CPT		RB	PNT		ACT		
118	OFFICE	CPT		RB	PNT		ACT		
119	OFFICE	CPT		RB	PNT		ACT		
120	OFFICE	CPT		RB	PNT		ACT		
121	OFFICE	CPT		RB	PNT		ACT		
122	OFFICE	CPT		RB	PNT		ACT		
123	OFFICE	CPT		RB	PNT		ACT		
124	BREAK ROOM	VCT		RB	PNT		ACT		
125	OFFICE	CPT		RB	PNT		ACT		

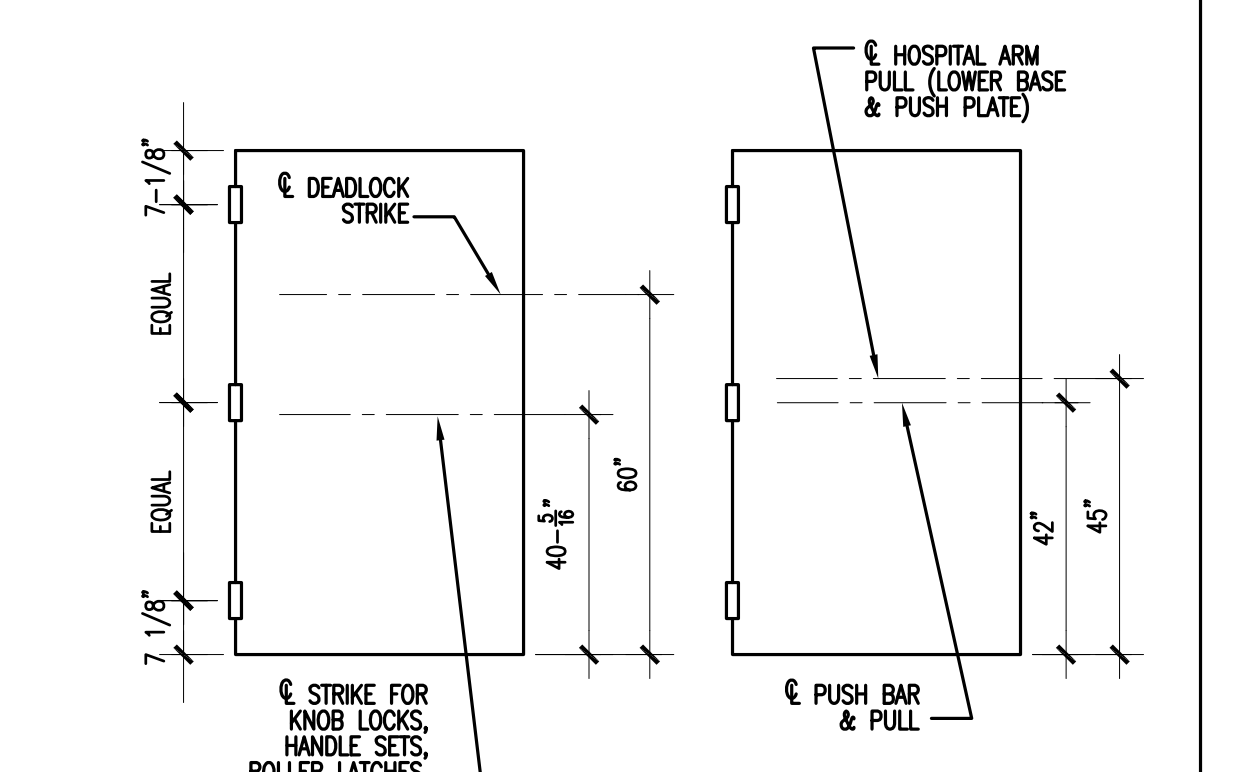
ITEM	SYMBOL	FINISH SCHEDULE NOTES:	FINISH LEGEND:
ACOUSTICAL CEILING TILE	ACT	1. PROTECT EXISTING FINISHES TO REMAIN IN PLACE DURING DEMOLITION AND RENOVATION ACTIVITIES. PAINT WALLS TO MATCH EXISTING. THE ENTIRE WALL SHALL BE PAINTED.	PNT- AS SELECTED FROM MANUFACTURER'S STANDARD COLORS. 2 COLORS EACH ROOM WITH 1 ACCENT WALL PER ROOM.
CARPET - OWNER FURNISHED AND INSTALLED	CPT		RB- MANUFACTURER: ROPPE COLOR: COLOR: AS SELECTED FROM MANUFACTURER'S STANDARD COLORS SIZE: 4
VINYL COMPOSITION TILE	VCT		CT- MANUFACTURER: DALTILE GALLAN PARK COLOR: RESERT GLD WALL SIZE: 10"x11" FLOOR SIZE: 13"x13" BULLNOSE SIZE: 3"x13" FLOOR PATTERN: BRICK PATTERN
CERAMIC TILE	CT	2. ALL AREAS TO RECEIVE NEW FLOORING SHALL BE INSTALLED ON STEEL ACCESS FLOOR PANELS EXCEPT THE FOLLOWING AREAS: MEN 102, WOMEN 103, SECURITY 101A, CORRIDOR H101, A PORTION OF CORRIDOR H103 AND A PORTION OF OFFICE 104.	
PAINT	PNT		
RUBBER BASE	RB		
EXISTING FINISHES TO REMAIN	EXIST		



1 DOOR TYPES
NOTES:
1. ALL DOORS ARE 6'-8" HIGH UNLESS OTHERWISE NOTED.

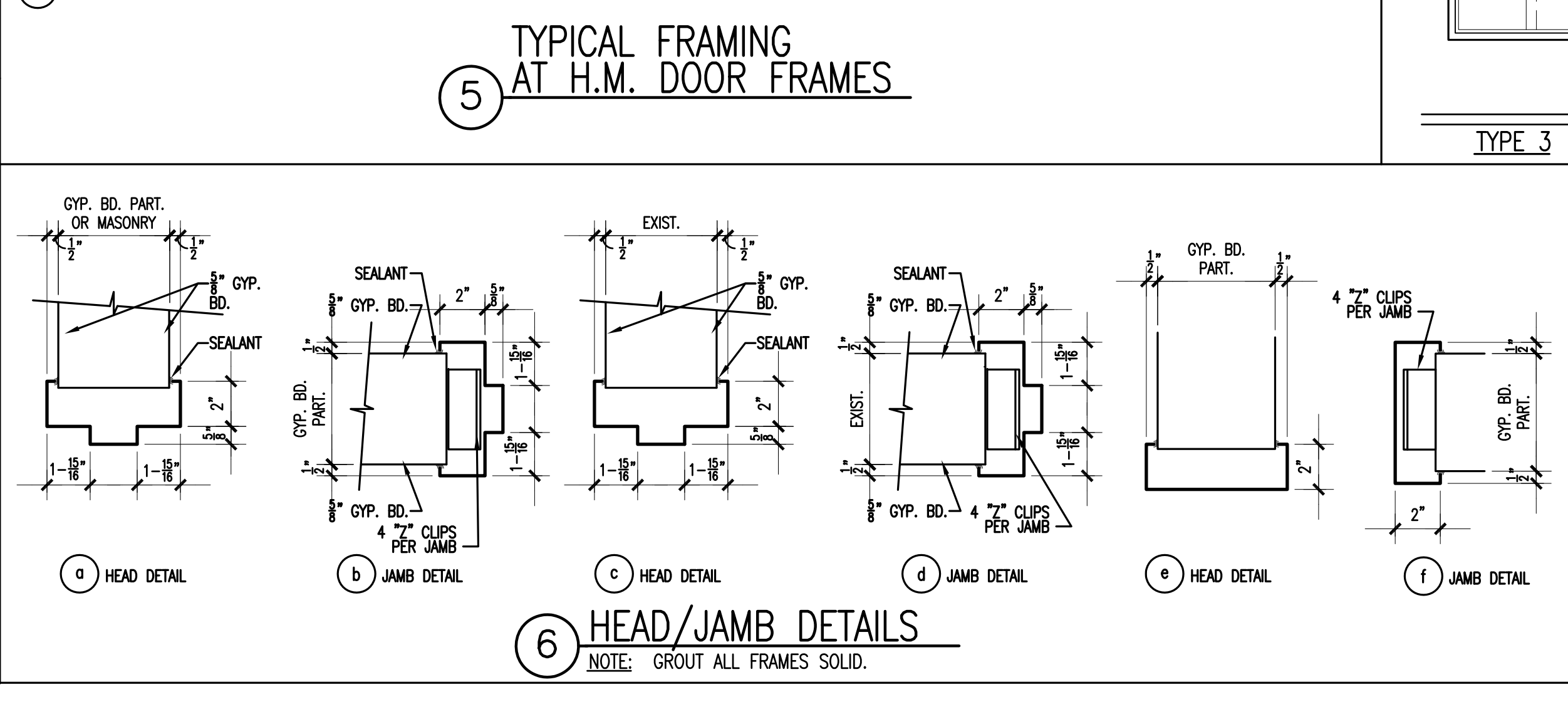
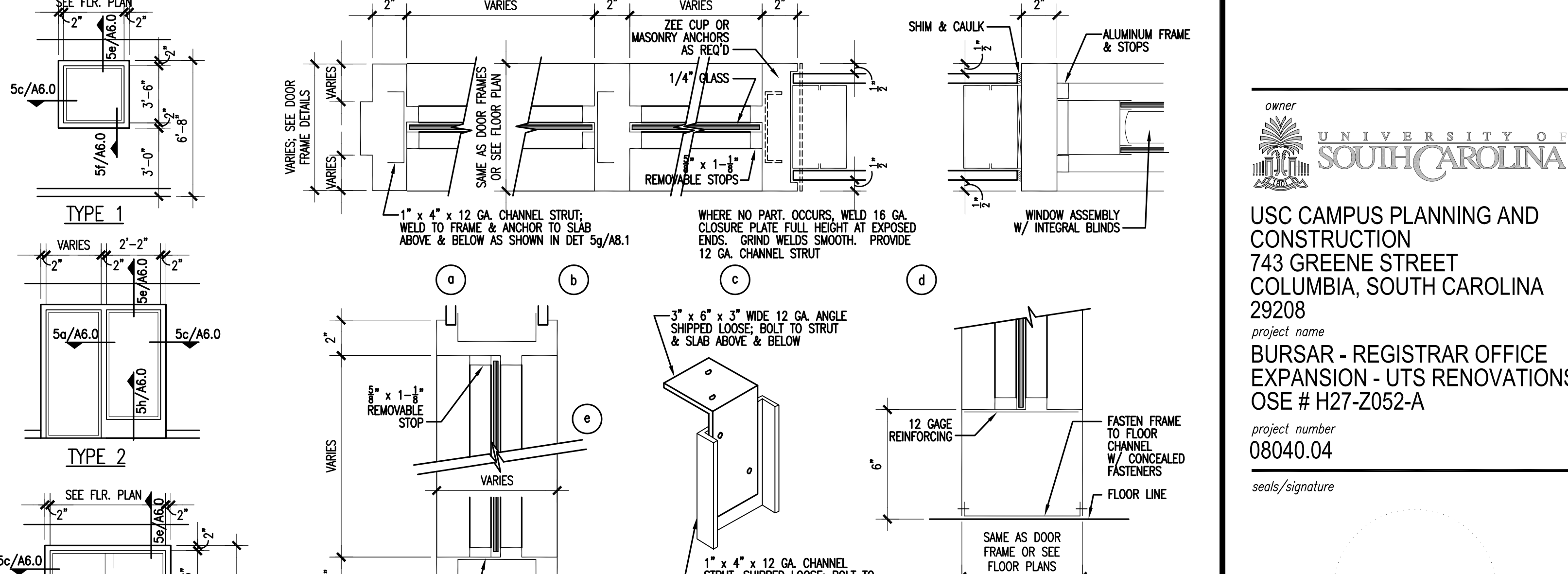
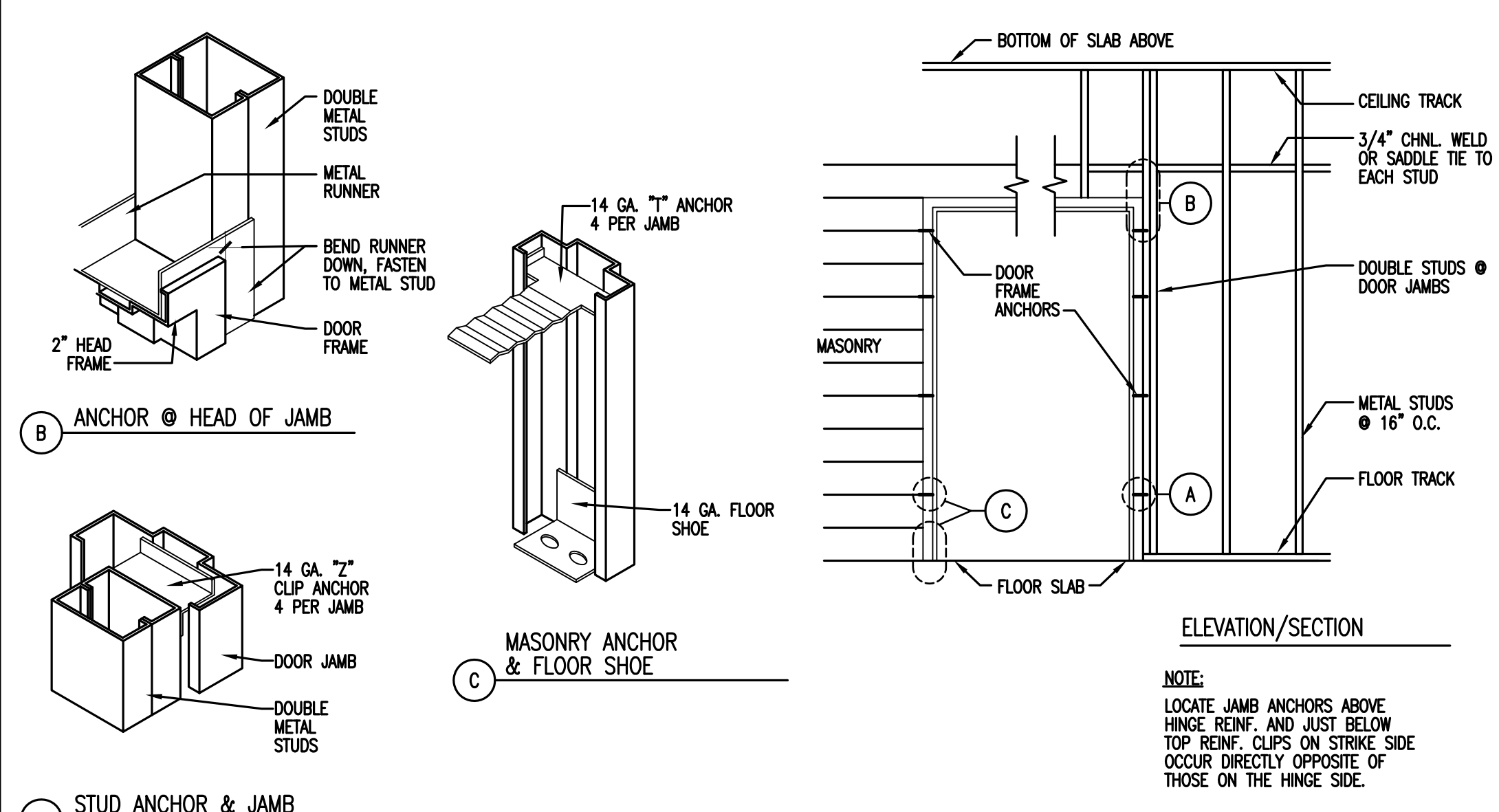


2 FRAME TYPES

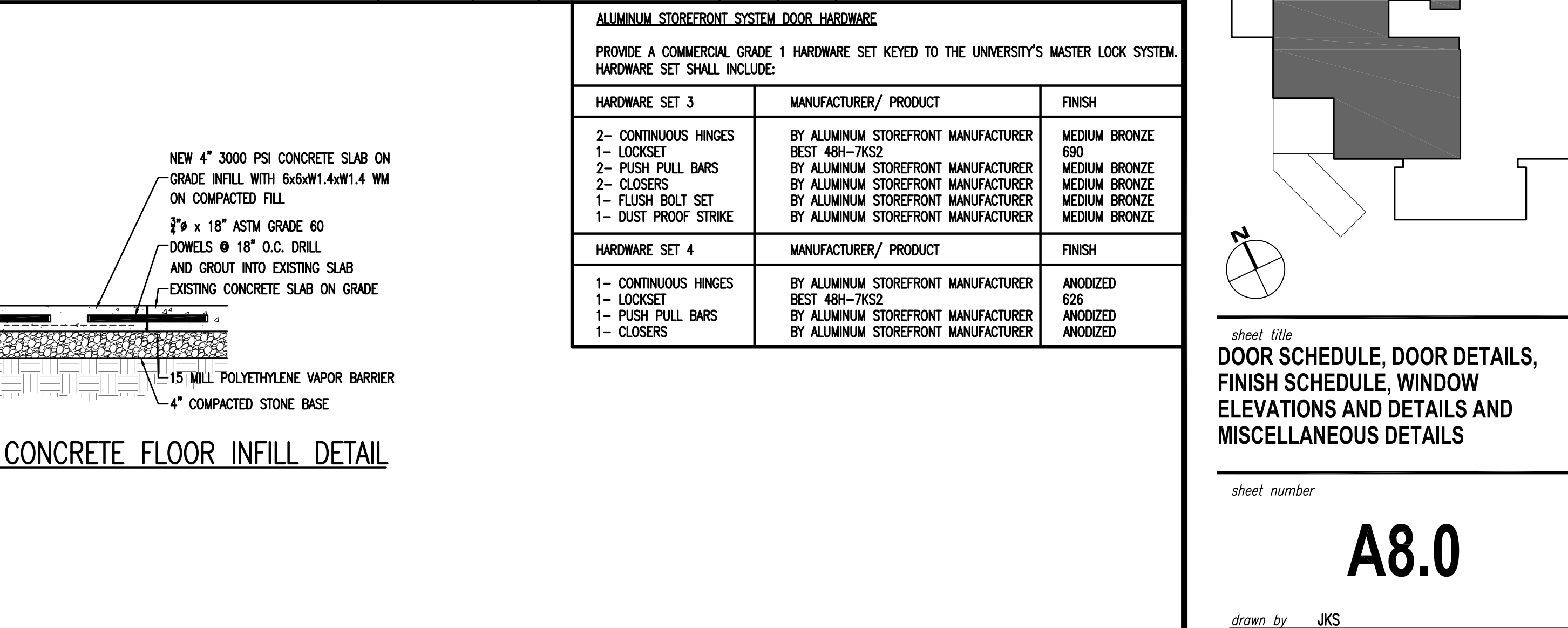


3 DOOR HARDWARE LOCATIONS

4 GENERAL NOTES
1. THIS DRAWING IS A COMPREHENSIVE MASTER SCHEDULE / DETAIL SHEET. NOT ALL ITEMS SHOWN ON THIS DRAWING ARE USED ON THIS PROJECT. PLEASE REFER TO INDIVIDUAL DRAWINGS FOR SPECIFIC ITEMS USED.



ROOM NAME	DOOR NUMBER	DOOR ELEV	DOOR SIZE	FRAME ELEV	HWDR SET	REMARKS
FIRST FLOOR						
CORRIDOR	H106	B	3'-0" X 6'-8"	a	2	CARD READER
CORRIDOR	H109	B	3'-0" X 6'-8"	a	2	CARD READER
CORRIDOR	H110	ALUM.	3'-0" X 6'-8"	ALUM	4	ALUMINUM STOREFRONT SYSTEM
LOBBY	101-A	ALUM.	PR. 3'-0" X 6'-8"	ALUM	3	ALUMINUM STOREFRONT SYSTEM
LOBBY	101-B	B	3'-0" X 6'-8"	a	2	CARD READER
SECURITY	101A		3'-0" X 6'-8"	e	-	CASED OPENING
OFFICE	104	C	3'-0" X 6'-8"	a	1	
OFFICE	105	C	3'-0" X 6'-8"	a	1	
OFFICE	106A-A	C	3'-0" X 6'-8"	b	1	
OFFICE	106A-B	C	3'-0" X 6'-8"	b	1	
OFFICE	106B	C	3'-0" X 6'-8"	a	1	
OFFICE	106C	C	3'-0" X 6'-8"	a	1	
OFFICE	106D	C	3'-0" X 6'-8"	a	1	
OFFICE	106E	B	3'-0" X 6'-8"	a	1	
OFFICE	108A	C	3'-0" X 6'-8"	a	1	
OFFICE	109A	C	3'-0" X 6'-8"	a	1	
OFFICE	110	C	3'-0" X 6'-8"	a	1	
OFFICE	111	C	3'-0" X 6'-8"	a	1	
OFFICE	114	C	3'-0" X 6'-8"	a	1	
OFFICE	115	C	3'-0" X 6'-8"	a	1	
OFFICE	116	C	3'-0" X 6'-8"	a	1	
OFFICE	117	C	3'-0" X 6'-8"	a	1	
OFFICE	118	C	3'-0" X 6'-8"	a	1	
OFFICE	119	C	3'-0" X 6'-8"	a	1	
OFFICE	120	C	3'-0" X 6'-8"	a	1	
OFFICE	121	C	3'-0" X 6'-8"	a	1	
OFFICE	122	C	3'-0" X 6'-8"	a	1	
OFFICE	123	C	3'-0" X 6'-8"	a	1	
BREAK ROOM	124	A	3'-0" X 6'-8"	a	1	
OFFICE	125	C	3'-0" X 6'-8"	a	1	
OFFICE	126A	A	3'-0" X 6'-8"	a	1	



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USC CAMPUS PLANNING AND CONSTRUCTION
743 GREENE STREET
COLUMBIA, SOUTH CAROLINA 29208
project name
BURSAR - REGISTRAR OFFICE EXPANSION - UTS RENOVATIONS
OSE # H27-Z052-A
project number
08040.04
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ALUMINUM STOREFRONT SYSTEM DOOR HARDWARE
PROVIDE A COMMERCIAL GRADE 1 HARDWARE SET KEYS TO THE UNIVERSITY'S MASTER LOCK SYSTEM. HARDWARE SET SHALL INCLUDE:

HARDWARE SET 3	MANUFACTURER/ PRODUCT	FINISH
2- CONTINUOUS HINGES	BY ALUMINUM STOREFRONT MANUFACTURER BEST 48H-7KSZ	MEDIUM BRONZE
1- LOCKSET	BY ALUMINUM STOREFRONT MANUFACTURER	MEDIUM BRONZE
2- PUSH PULL BARS	BY ALUMINUM STOREFRONT MANUFACTURER	MEDIUM BRONZE
2- CLOSERS	BY ALUMINUM STOREFRONT MANUFACTURER	MEDIUM BRONZE
1- FLUSH BOLT SET	BY ALUMINUM STOREFRONT MANUFACTURER	MEDIUM BRONZE
1- DUST PROOF STRIKE	BY ALUMINUM STOREFRONT MANUFACTURER	MEDIUM BRONZE

HARDWARE SET 4

MANUFACTURER/ PRODUCT	FINISH
1- CONTINUOUS HINGES (PER FINISH SCHEDULE)	ANODIZED 626
1- LOCKSET	ANODIZED 626
1- PUSH PULL BARS	ANODIZED 626
1- CLOSERS	ANODIZED

new 4" 3000 PSI CONCRETE SLAB ON GRADE INFILL WITH 6x6x1.4x1.4 WM ON COMPACTED FILL
#4 x 18" ASTM GRADE 60 DOWELS @ 16" O.C. DRILL AND GROUT INTO EXISTING SLAB
EXISTING CONCRETE SLAB ON GRADE
15 MIL POLYETHYLENE VAPOR BARRIER
4" COMPACTED STONE BASE

key plan

sheet title
DOOR SCHEDULE, DOOR DETAILS, FINISH SCHEDULE, WINDOW ELEVATIONS AND DETAILS AND MISCELLANEOUS DETAILS

sheet number
A8.0
drawn by JKS
checked by JKS

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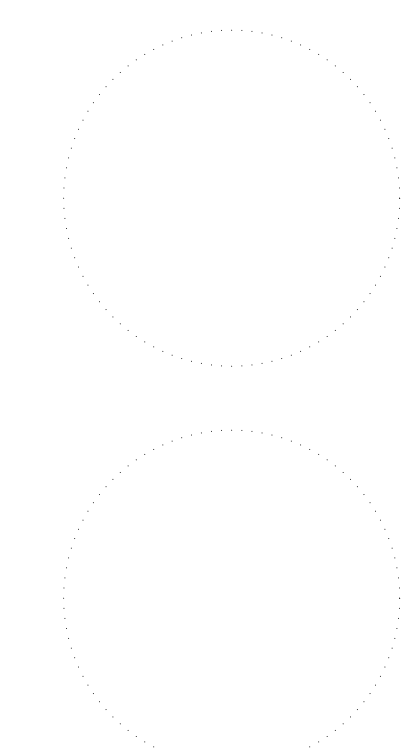


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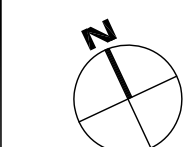
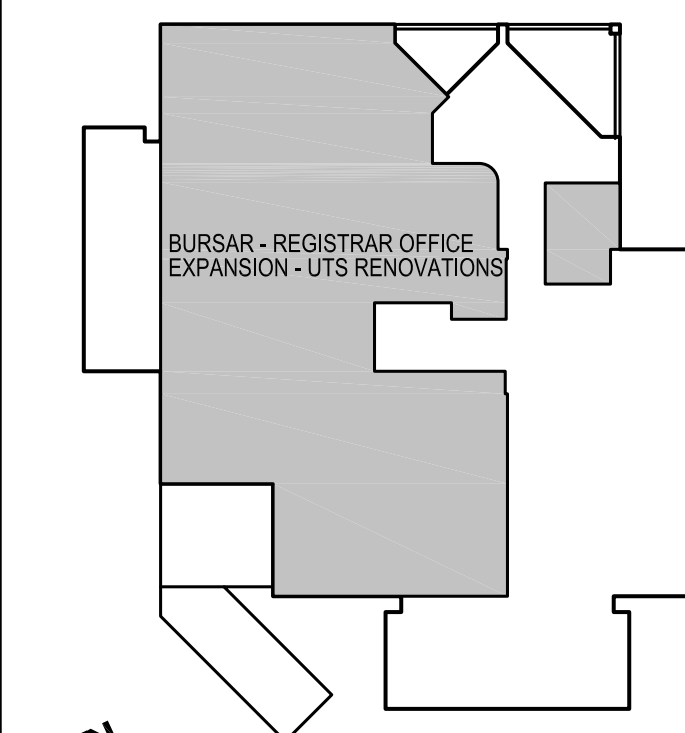


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key plan



sheet title
PLUMBING FIRST FLOOR DEMOLITION PLAN

sheet number

P1.1

drawn by **RLW**
checked by **JWB**



1 FIRST FLOOR PLUMBING DEMOLITION PLAN
1/8"=1'-0"

- DEMOLITION NOTES:**
- DEMOLISH EXISTING WATER CLOSET, SANITARY PIPING AND CW PIPING BACK TO MAIN IN CHASE. CAP TEMPORARY FOR FUTURE CONNECTION. REMOVE WATER CLOSET CARRIERS AND CAP TEMPORARY VENT PIPING IN CHASE ABOVE FOR FUTURE CONNECTION TO NEW CARRIERS. SEE NOTE #6 INDICATING WHERE CARRIER ARE TO REMAIN IN SERVICE.
 - DEMOLISH EXISTING LAVATORY AND WASTE PIPING BACK TO CAPPED LINE.
 - DEMOLISH EXISTING WATER COOLER. CAP WATER PIPING AND VENT PIPING IN WALL OR ABOVE CEILING. CAP WASTE PIPING IN WALL OR BELOW FINISH FLOOR.
 - DEMOLISH EXISTING WATER CLOSET. REMOVE WASTE PIPING FROM CARRIER AND CAP THIS SIDE OF CARRIER. REMOVE CW PIPING AND CAP IN CHASE.
 - DEMOLISH EXISTING URINAL AND SINGLE CARRIER IN WALL. CAP WASTE AND CW PIPING IN CHASE.
 - THIS EXISTING CARRIER TO REMAIN IN SERVICE. MODIFY TO SUIT NEW CONFIGURATION.
 - COORDINATE ALL PLUMBING SHUT-DOWNS WITH USC ENGINEERING DEPARTMENT.
 - DEMOLISH AND REMOVE EXISTING WCO. PROVIDE TEMPORARY PIPE CAP.

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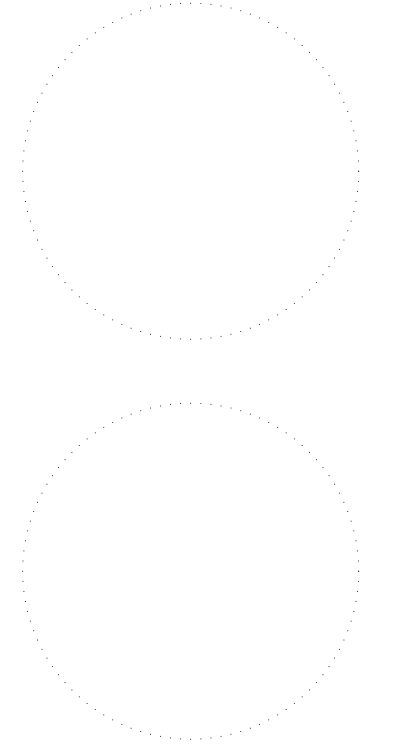


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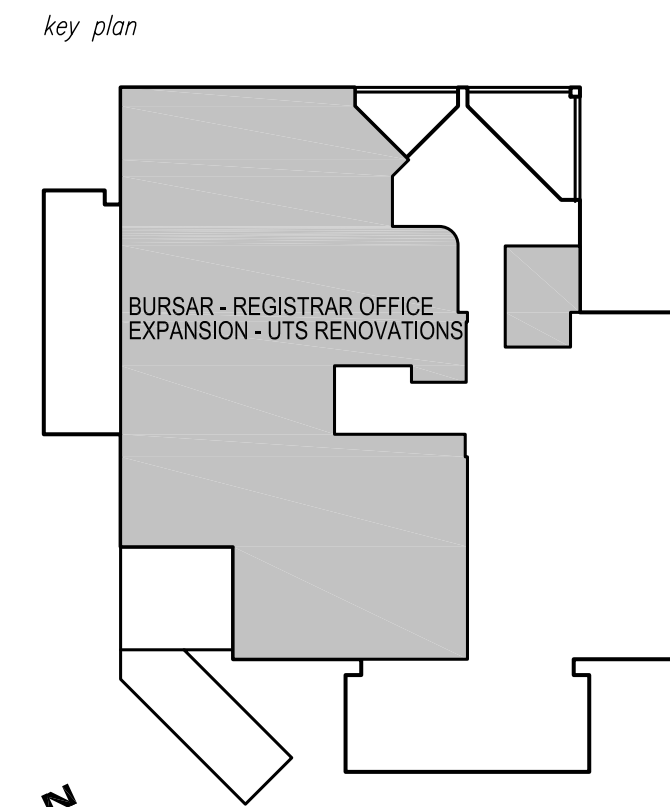
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sheet title
**FIRST FLOOR PLUMBING
RENOVATION PLAN**

sheet number

P2.1

drawn by **RLW**
checked by **JWB**



1 FIRST FLOOR PLUMBING RENOVATION PLAN
1/8"=1'-0"

- KEY NOTES:
- CONNECT SANITARY AND VENT PIPING TO NEW WATER CLOSET CARRIERS.
 - PROVIDE NEW WALL CARRIER AND CONNECT NEW URINAL TO EXISTING SANITARY AND VENT PIPING IN CHASE.
 - CONNECT NEW LAVATORY TO EXISTING WASTE, VENT AND HW AND CW IN CHASE.
 - CONNECT NEW URINAL TO EXISTING WASTE, VENT AND CW IN CHASE.
 - CONNECT 1-1/4" VENT LINE TO MAIN VENT RISER IN CHASE.
 - CONNECT 2" WASTE LINE TO 5" SANITARY LINE BELOW SLAB.
 - CONNECT 1/2" CW LINE TO CW MAIN IN CHASE.
 - CONNECT S.A. TO EXISTING CW MAIN IN CHASE. FIELD VERIFY LOCATION.
 - INSTALL NEW WALL CLEAN OUT.

WATER-HAMMER ARRESTER SCHEDULE						
PDI UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

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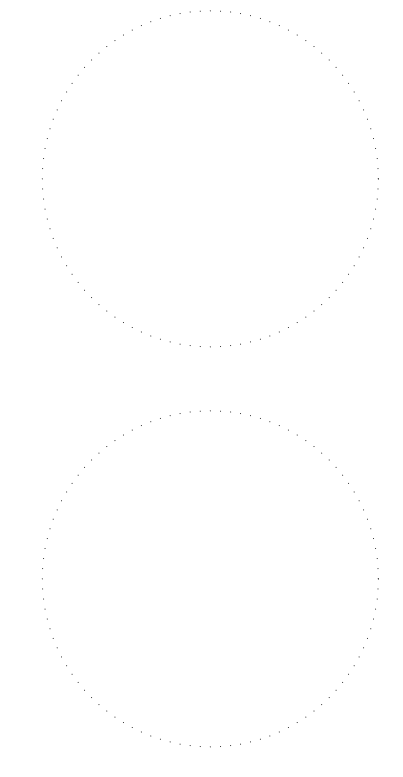


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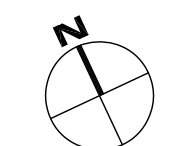
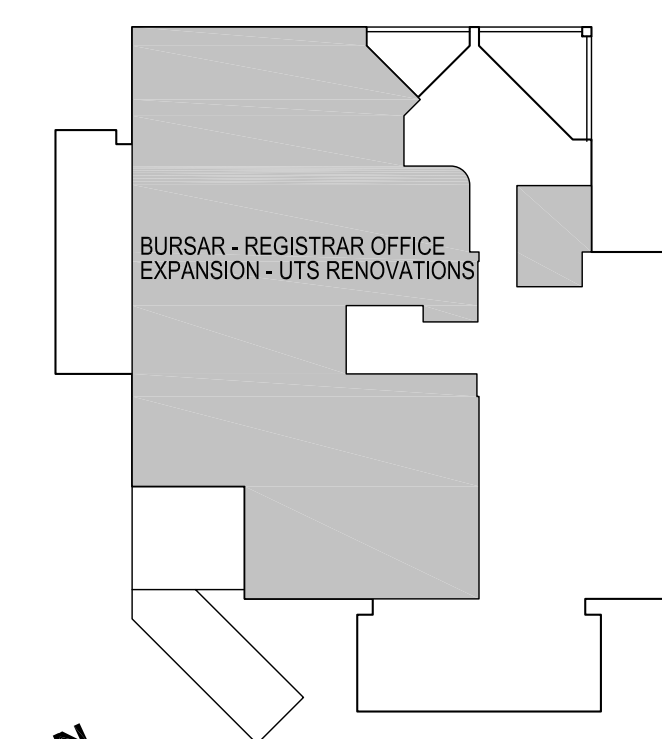


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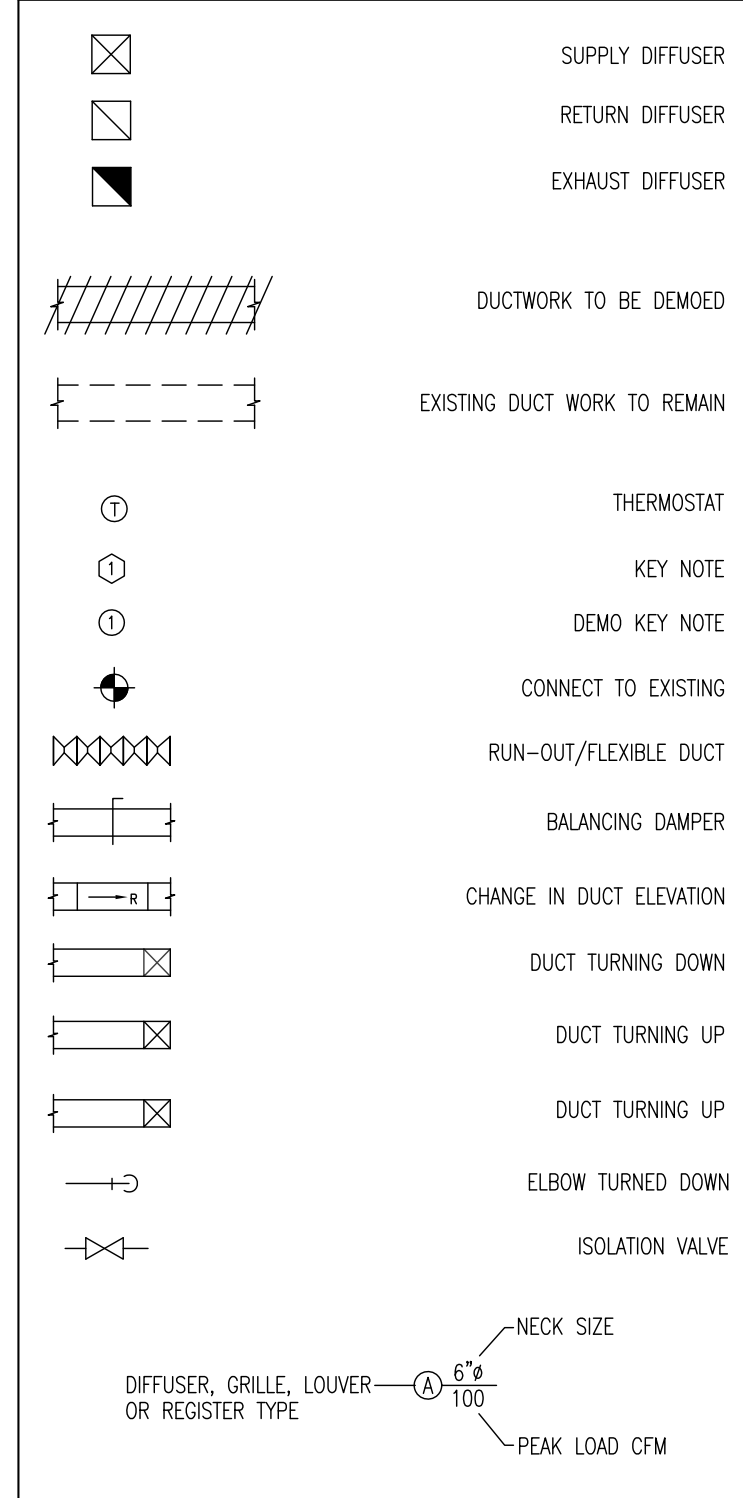
sheet title
**HVAC SCHEDULE
AND DETAILS**

sheet number

M7.1

drawn by JEB
checked by JWB

HVAC LEGEND



MECHANICAL DEMOLITION NOTES

1. DRAWINGS SHOW GENERAL INTENT OF DEMOLITION. QUANTITIES, LOCATIONS, SIZES AND EQUIPMENT ARE SHOWN TO INDICATE TYPE OF SYSTEM INSTALLED AND DOES NOT NECESSARILY REPRESENT EXACT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY BEFORE BIDDING.
2. DEMOLITION OF EQUIPMENT, SYSTEMS, AND COMPONENTS SHALL INCLUDE ALL SUPPORTS, PADS, HANGERS, INSULATION, CONTROLS, STARTERS, ACCESSORIES, AND APPURTENANCES NOT REQUIRED FOR THE INSTALLATION OF THE NEW SYSTEM.
3. WHEN PARTIAL DEMOLITION OF A SYSTEM IS INDICATED, THE PART OF THE SYSTEM SHOWN TO REMOVED SHALL BE REMOVED TO THE ACTIVE MAIN OR BRANCH IF NOT REQUIRED FOR THE INSTALLATION OF THE NEW SYSTEM. THE ACTIVE MAIN OR BRANCH SHALL BE REPAIRED TO MATCH NEW INSTALLATION AS MUCH AS PRACTICAL. IF SYSTEM IS INSULATED, INSULATION SHALL BE PATCHED AND FINISHED REPAIR (IE: VAPOR BARRIER, COATING, ETC.)
4. PATCHING OF BUILDING STRUCTURES AND FINISHES SHALL PERTAIN TO ALL WALLS, FLOORS, SLABS, ROOFS, STRUCTURES, AND FINISHES. PATCHES SHALL MATCH EXISTING STRUCTURE, FIRE RATING AND FINISH.
5. ALL OPENINGS CREATED BY THE ABANDONMENT OR REMOVAL OF EXISTING SYSTEMS SHALL BE PATCHED.
6. ALL WALLS, ROOFS, SLABS, STRUCTURES, AND FINISHES WHOSE FINISH IS IRREGULAR DUE TO THE REMOVAL OF SYSTEMS, SUPPORTS, PADS, ACCESSORIES, AND APPURTENANCES SHALL BE PATCHED.
7. ALL FINISHES SHALL MATCH EXISTING FINISH. WHEN FINISH OBVIOUSLY DOES NOT MATCH EXISTING FINISH SUCH AS SHADE OF PAINT, AGE OF FINISH, ETC., THE FINISH SHALL BE APPLIED TO THE PATCH AND THE SURFACE IN ALL DIRECTIONS UNTIL A SURFACE CHANGE OF A MINIMUM OF 45 DEGREES.
8. REMOVAL OF SYSTEMS SHALL INCLUDE COMPLETE SYSTEM WHENEVER PRACTICAL. IF NOT, SYSTEM (IE: PIPE, CONDUIT, ETC.) SHALL BE REMOVED TO 1 INCH BELOW SURFACE.

MECHANICAL GENERAL NOTES

1. DO NOT SCALE DRAWINGS; SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, CEILING, DIFFUSERS, ETC.
2. ALL DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS, ROOFS AND PARTITIONS EXCEPT WHERE PROHIBITED BY FIRE CODES.
3. LOCATE ALL THERMOSTATS 4'-0" ABOVE FINISH FLOOR; ALIGN WITH LIGHT SWITCHES.
4. ALL DUCTWORK LOCATIONS SHALL BE COORDINATED WITH THE WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
5. CORRECT SETTINGS ON ALL BALANCING FITTINGS SHALL BE PERMANENTLY MARKED.
6. AIR DISTRIBUTION SYSTEMS WITH MORE THAN ONE BRANCH, OR MULTIPLE OUTLETS ON A BRANCH, SHALL HAVE VOLUME DAMPERS TO BALANCE AIR FLOWS. SPIN-IN FITTINGS ARE PERMITTED FOR CONNECTING FLEX DUCT TO BRANCH OR TRUNK DUCTS WHERE FLEX DUCTS ARE INDICATED. IF FLEX DUCT CANNOT BE CONNECTED WITH A SPIN-IN, A HARD DUCTED TAKEOFF MUST BE PROVIDED.
7. ALL DUCTS EXTENDING THRU EXTERIOR WALLS AND ROOFS SHALL BE FLASHED AND COUNTERFLASHED.
8. PROVIDE ALL TRANSITIONS REQUIRED FOR INSTALLATION OF DUCT, EXHAUST FANS, AND ALL OTHER EQUIPMENT AND APPURTENANCES.
9. ALL DUCT IS GALVANIZED SHEET METAL EXCEPT AS NOTED.
10. DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
11. AIR DISTRIBUTION UNITS SHALL HAVE TRIM REQUIRED FOR FINISHED SERVICE.

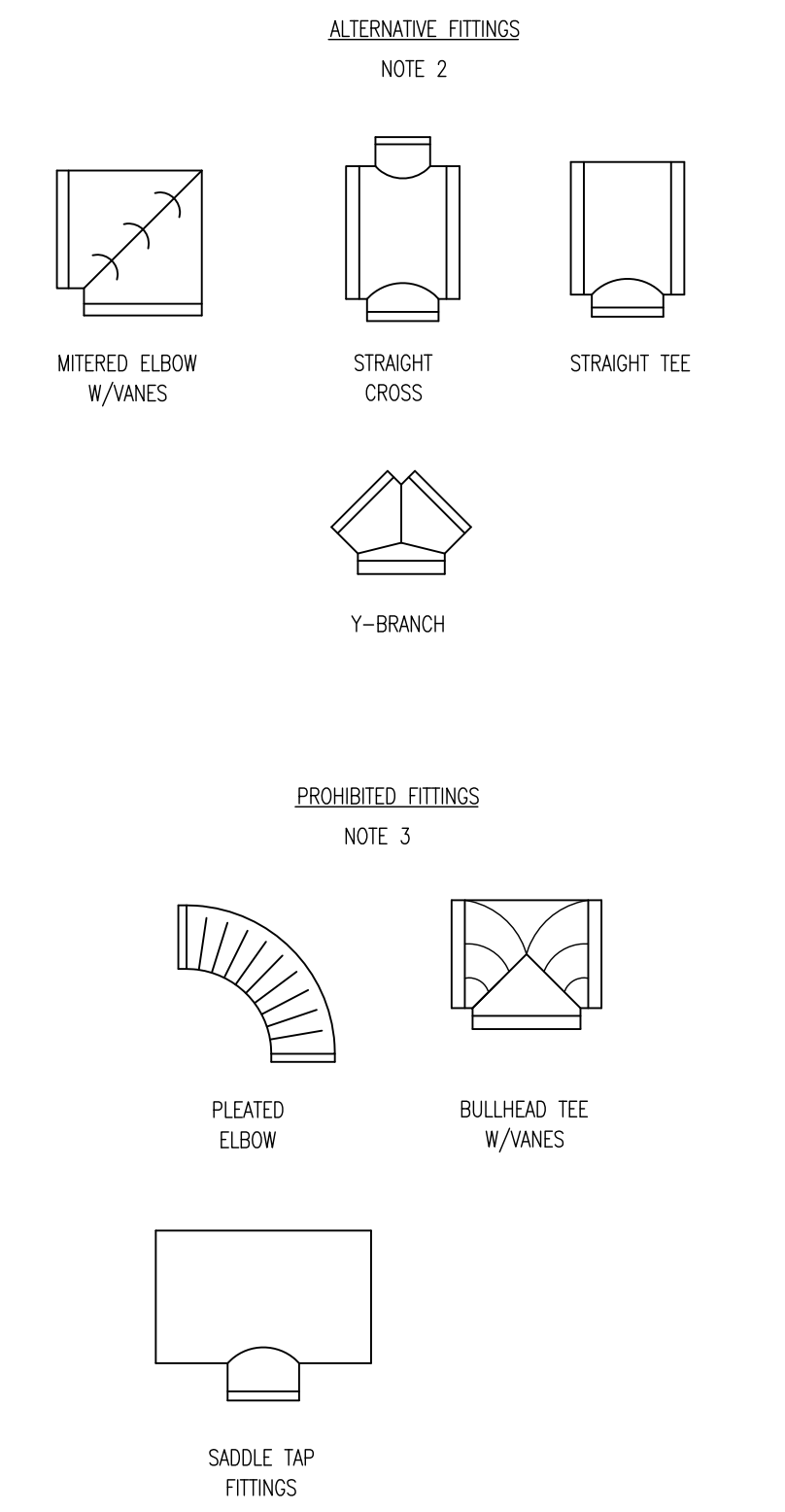
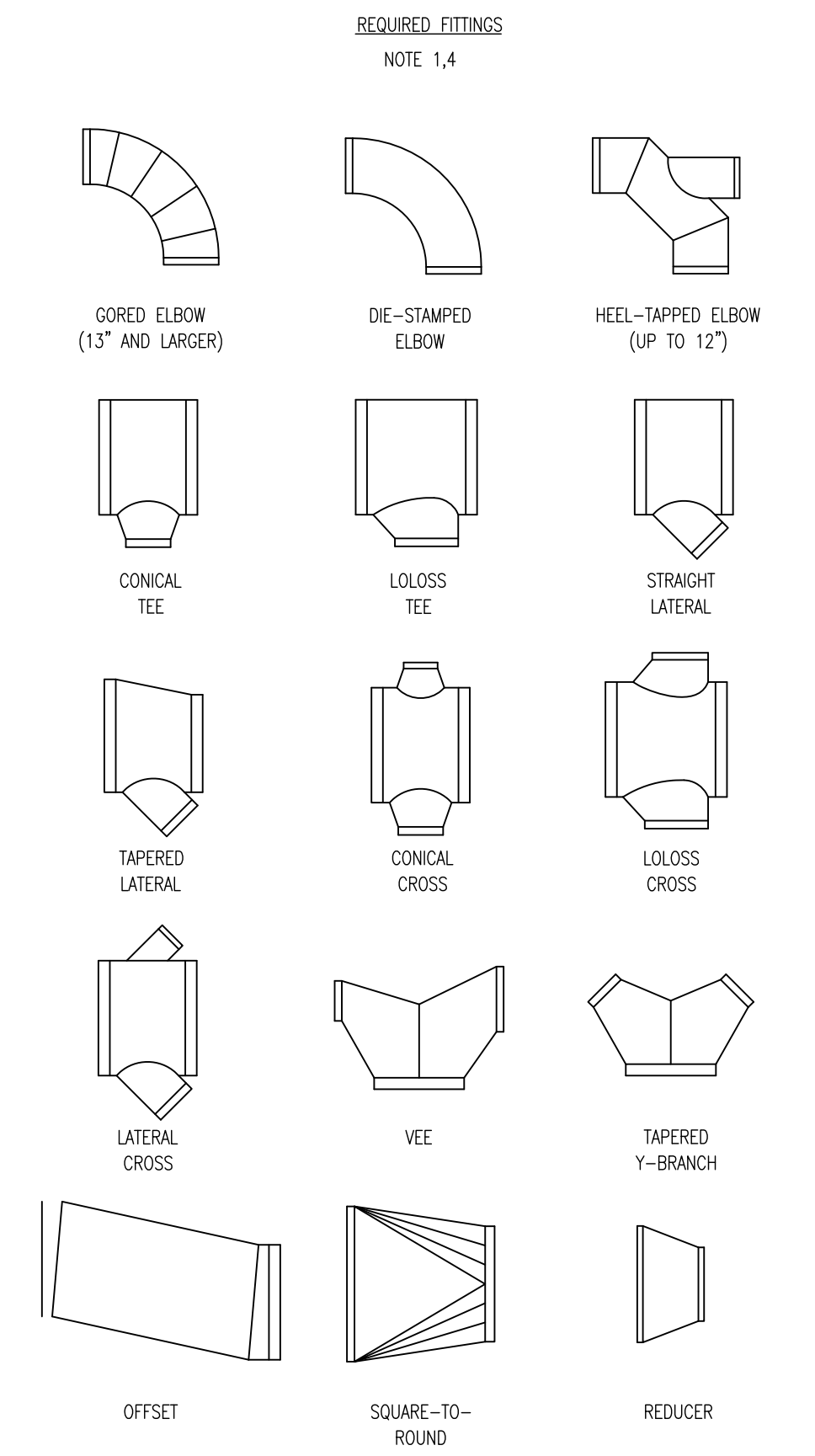
ABBREVIATIONS

ABV	Above	NC	Not in Contract
AFF	Above Finished Floor	NTS	Not To Scale
BHP	Horsepower	OA	Outside Air
CFM	Cubic Feet Per Minute	OSD	Opposed Blade Damper
DB	Dry Bulb Temperature	OD	Outside Diameter
EAT	Entering Air Temperature	PD	Pressure Drop
ELEC	Electric or Electrical	RA	Return Air
EWB	Entering Air Wet Bulb	RCT	Return
EXH	Exhaust	RH	Relative Humidity
FD	Fire Damper	SA	Supply Air
FL	Floor	SHT	Sheet
HP	Horsepower	SP	Static Pressure
HWR	Hot Water Return	SPEC	Specifications
HWS	Hot Water Supply	SPL	Supply
LAT	Leaving Air Temperature	T	Thermostat
LWB	Leaving Air Wet Bulb	TEMP	Temperature
MAX	Maximum	TSAT	Thermostat
MIN	Minimum	TYP	Typical
N/A	Not Applicable	WB	Wet Bulb Temperature

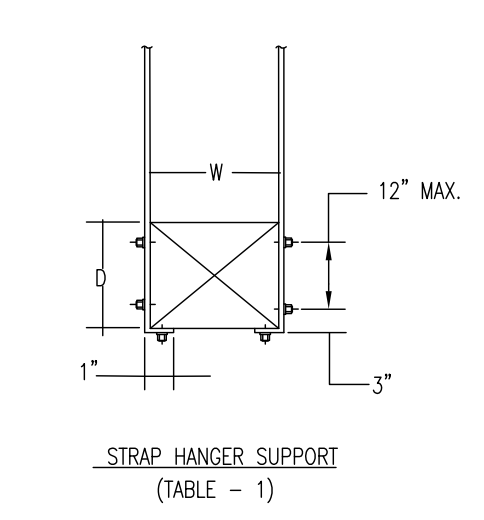
AIR DISTRIBUTION SCHEDULE

TAG	DESCRIPTION	NECK	MODULE SIZE	MOUNT	CONSTR.	MFRG.	MODEL	NOTES
A	SQUARE PLAQUE CEILING SUPPLY	AS SHOWN	24x24	LAY-IN	ALUMINUM	PRICE	SERIES SPD	2,3,5
B	PERFORATED CEILING RETURN/EXHAUST	AS SHOWN	24x24	LAY-IN	ALUMINUM	PRICE	APFOR	3
C	SIDEWALL RETURN	AS SHOWN	AS SHOWN	SIDEWALL	ALUMINUM	PRICE	SERIES 6300AL	1,3

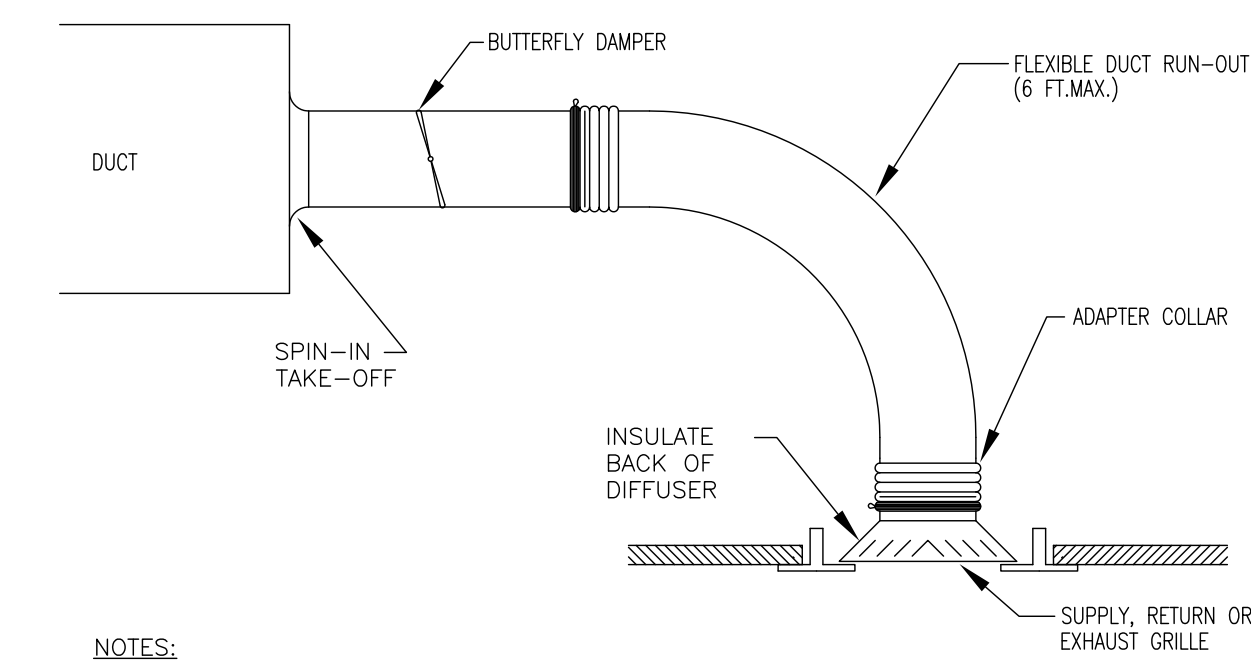
1. FURNISH WITH OPPOSED BLADE DAMPER
2. 4-WAY DEFLECTION UNLESS NOTED OTHERWISE
3. BAKED ENAMEL OFF-WHITE FINISH
4. PROVIDE RADATION DAMPER
5. FACTORY INSULATED BACKPAN



- NOTES:
1. REQUIRED FITTINGS ARE FITTINGS THAT SHALL BE INCLUDED IN BIDDING THE PROJECT.
 2. ALTERNATIVE FITTINGS ARE FITTINGS THAT MAY BE CONSIDERED BY THE A/E IF IT IS DETERMINED THAT PHYSICAL CONSTRAINTS MAKE A FITTING IN THIS GROUP A BETTER ALTERNATIVE TO THE REQUIRED FITTING. THESE FITTINGS WILL ONLY BE CONSIDERED BY THE A/E UPON REVIEW OF COORDINATION DRAWINGS OR SKETCHES SUBMITTED BY THE CONTRACTOR.
 3. PROHIBITED FITTINGS INCLUDE THOSE INDICATED PLUS ANY OTHERS NOT INDICATED ON THIS DETAIL.
 4. ALL RADII SHALL BE 1 1/2".



W x D MAX.	10'-0" MAX.	8'-0" MAX.	6'-0" OR LESS
72"	1" x 220a.	1" x 220a.	1" x 220a.
96"	1" x 200a.	1" x 220a.	1" x 220a.
120"	1" x 180a.	1" x 220a.	1" x 220a.
168"	1" x 180a.	1" x 180a.	1" x 180a.
192"	1" x 180a.	1" x 180a.	1" x 180a.



- NOTES:
1. PROVIDE MIN OF 3 DUCT DIAMETERS BETWEEN TAPS OR AFTER ELBOWS.

③ ROUND DUCT FITTINGS
NTS

② DUCT AND EQUIPMENT SUPPORT DETAILS
NTS

① FLEXIBLE DUCT CONNECTION TO GRILL
NTS

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consultants

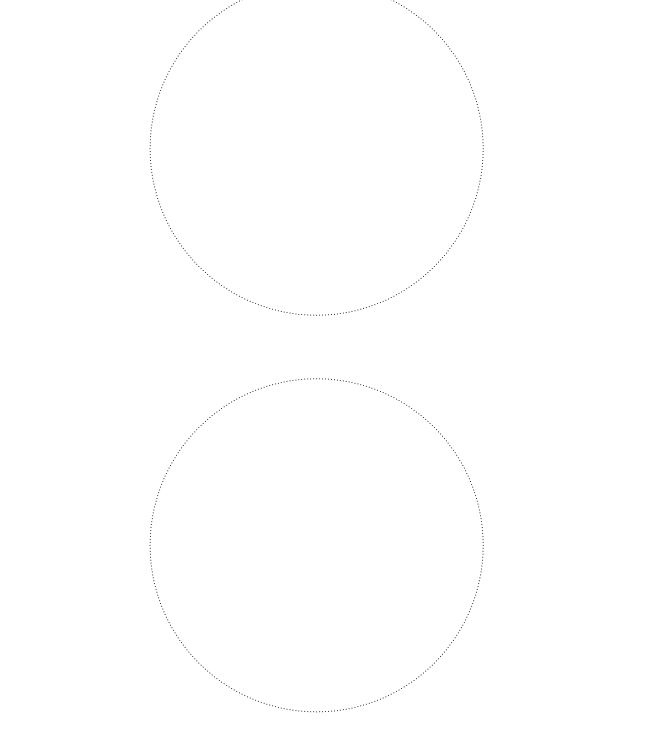


USC CAMPUS PLANNING AND CONSTRUCTION
743 GREENE STREET
COLUMBIA, SOUTH CAROLINA 29208

project name
BURSAR - REGISTRAR OFFICE EXPANSION - UTS RENOVATIONS
OSE # H27-2052-A

project number
08040.04

sealy/signature

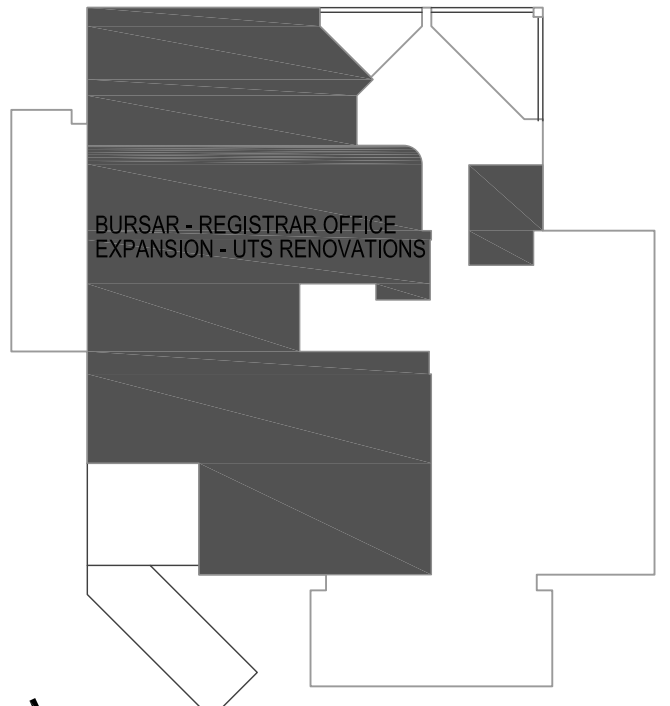


Issued for
CONSTRUCTION DOCUMENTS

date
JULY 23, 2013

number	item	date

key plan

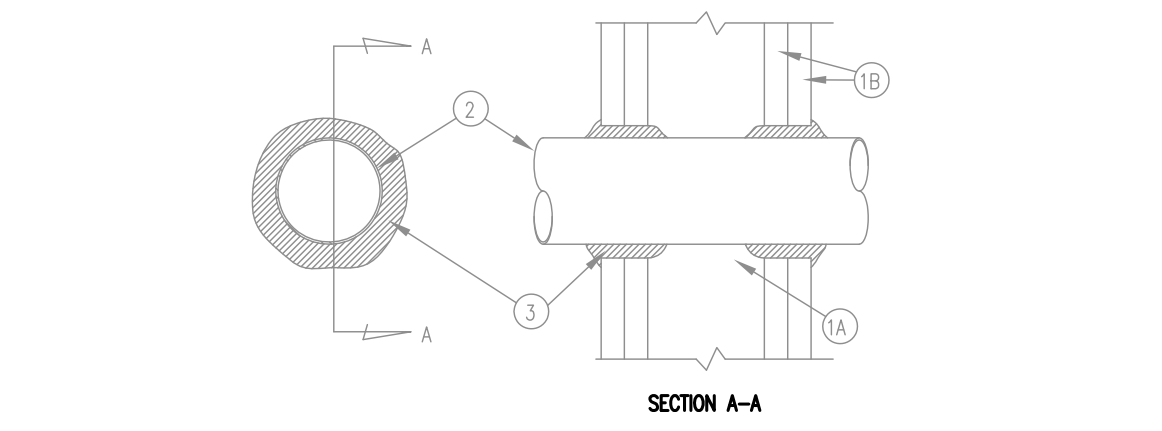


sheet title
ELECTRICAL SYMBOLS, SCHEDULES, AND DETAILS

sheet number
E0.0

drawn by TLK
checked by JBF

System No. W-L-1001
F Rating - 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Rating - 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating at Ambient - less than 1 CFM/sq ft
L Rating at 400 F - less than 1 CFM/sq ft

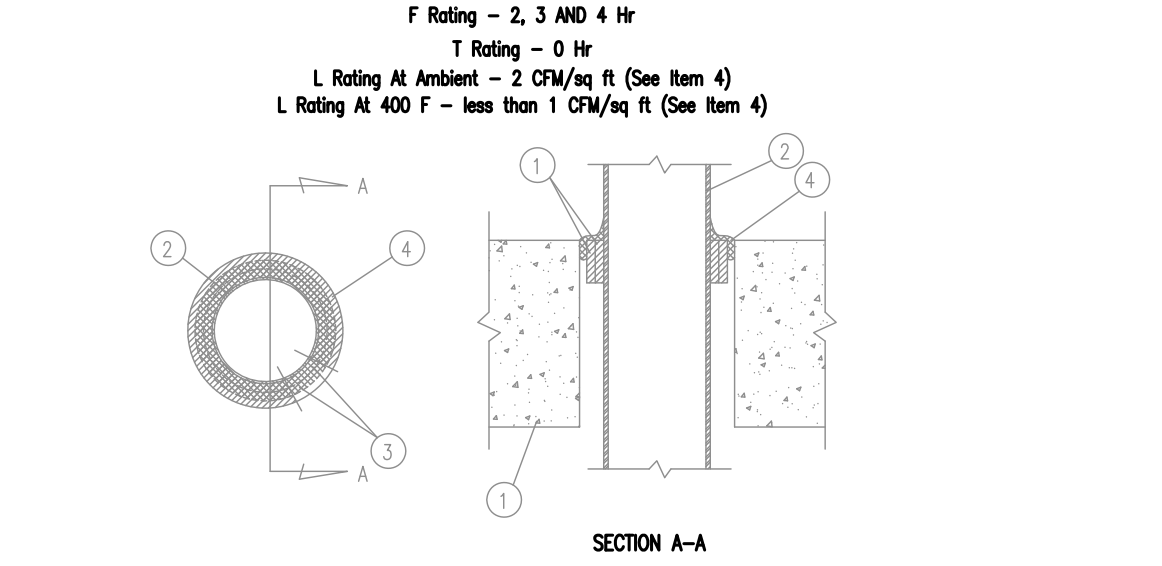


- Wall Assembly** - The 1, 2, 3, or 4 hour fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Wall framing may consist of either wood or steel channel studs. Wood studs (max 2 hour fire rated assembly) or steel channel studs. Wood studs to consist of nominal 2 by 4 in. lumber spaced 16 in. OC with nominal 2 by 4 in. lumber end plates and cross bracing. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.
 - Wallboard, Opposite** - Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 13-1/2 in.
- Pipe or conduit** - Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 12 in. diam (or smaller) service weight (or heavier) cast iron pipe, nom 12 in. diam (or smaller) Class 50 (or heavier) ductile iron pipe, nom 6 in. (or smaller) steel conduit, nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) Type L (or heavier) copper tubing or nom 1 in. diam (or smaller) flexible steel conduit. When copper pipe is used, max F Rating of freestop system (Item 3) is 2 hr. Steel pipe or conduit larger than nom 12 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the freestop system. Pipe or conduit to be installed near center of stud cavity with end to be rigidly supported on both sides of wall assembly.
- Fill, Void or Cavity Material** - Caulk - Caulk (or other material) installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its access from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the freestop system is DEPENDENT upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly fire rating of the freestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as noted below:

Max Pipe or Conduit Diam, In.	Annular Space, In.	F Rating, Hr	T Rating, Hr
1	0 to 3/16	1 or 2	0 or 1 or 2
2	3/16 to 1/2	1 or 2	3 or 4
4	0 to 1-1/2	1 or 2	0
6	1/4 to 1/2	1 or 2	0
12	3/16 to 5/8	1 or 2	0

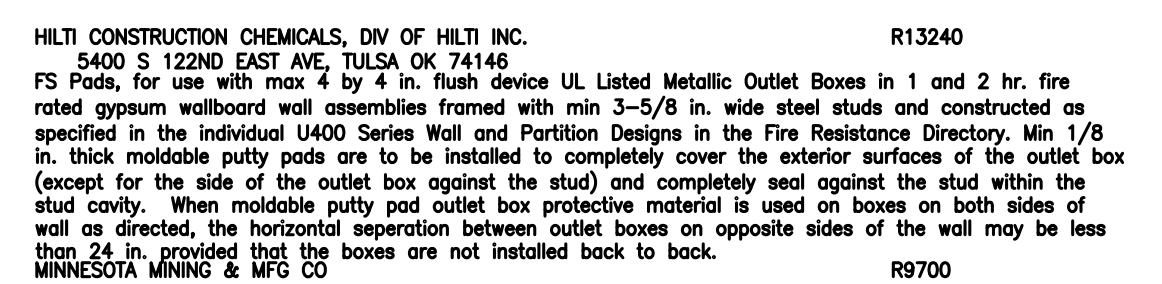
*When copper pipe is used, F Rating is 0 hr.
Minnesota Mining & Mfg. Co. - CP 25WB+.
*Bearing the UL Classification Marking.

System No. WL1052
F Rating - 2, 3 AND 4 Hr
T Rating - 0 Hr
L Rating at Ambient - 2 CFM/sq ft (See Item 4)
L Rating at 400 F - less than 1 CFM/sq ft (See Item 4)

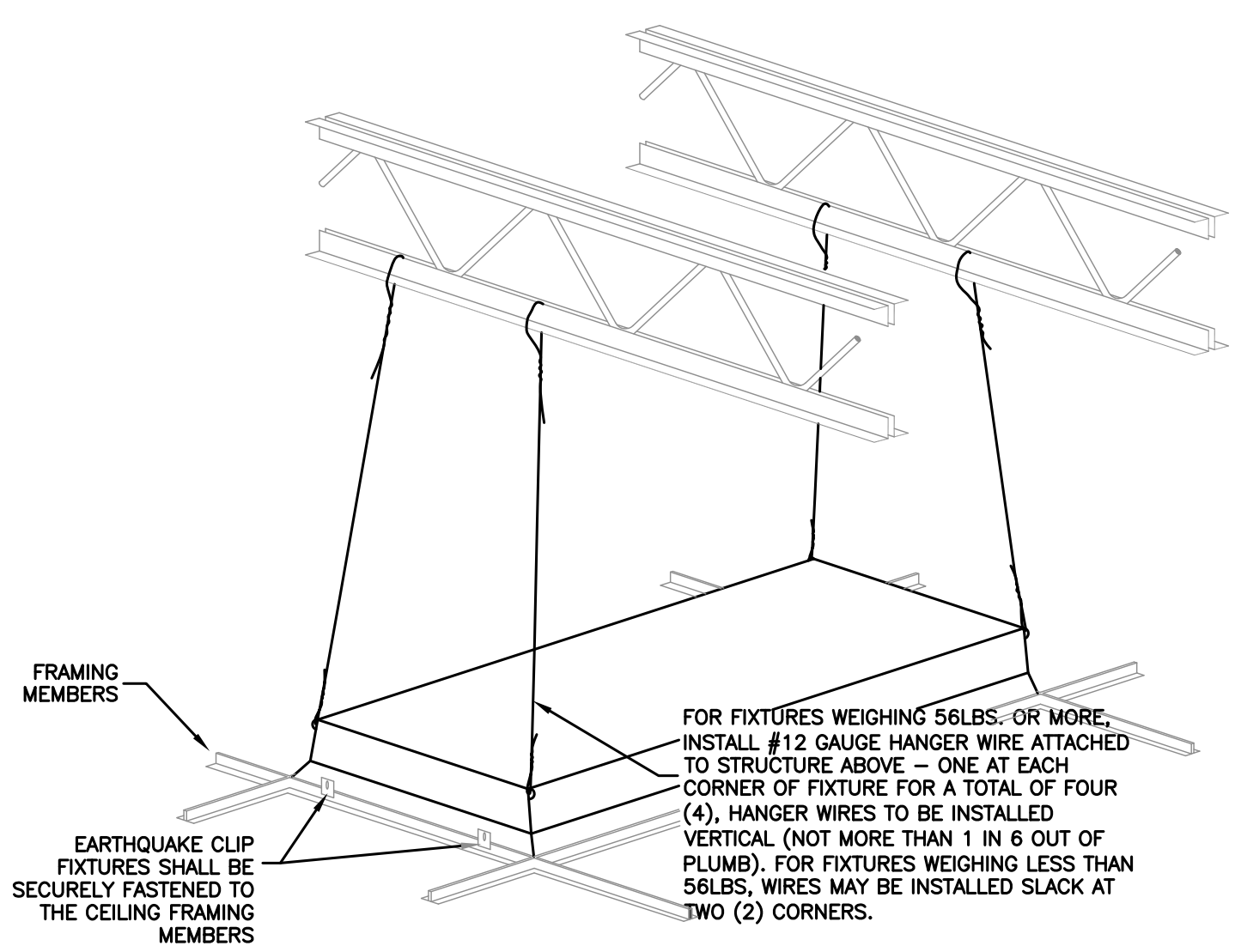


- Floor or Wall Assembly** - Lightweight or normal weight (100-150 pcf) concrete. Min. thickness of concrete floor or wall assembly is 4-1/2 in. for 2 and 3 hr F Ratings and 5-1/2 in. for 4 hr F Rating. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of circular opening is 13-1/2 in. *See Concrete Blocks (CB) category in the Fire Resistance Directory for names of manufacturers.
 - Steel Pipe or Conduit** - Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 6 in. diam (or smaller) steel conduit or nom 4 in. diam (or smaller) steel EMT. Max one pipe or conduit per opening, centered in opening. Min clearance between pipe or conduit and sides of through opening is 1/4 in. Max clearance between pipe or conduit and sides of through opening is 1-3/4 in for 2 hr F rating and 3/4 in. for 3 and 4 hr F ratings. Pipe or conduit to be rigidly supported on both sides of floor or wall assembly.
 - Fill, Void or Cavity Material** - Wrap Strip - Nom 1/4 in. thick incompressible elastomeric material on one side with durable foil, applied in 2 in. wide strips. For the 2 and 3 hr F Ratings, min 1 in. wide strip(s) wrapped around pipe/conduit (all side exposed) until OD of wrap strip is equal to or max 3/16 in. less than ID of circular through opening. Wrap strip tightly bound with steel tie wire or pressure sensitive tape and slit into through opening such that the top edge of the wrap strip(s) is recessed 1/4 in. from the top surface of floor or wall assembly, such that the wrap strip(s) is centered in the wall thickness. For the 4 hr F Rating, nom 2 in. wide strip(s) wrapped around pipe/conduit (all side exposed) on each side of the floor or wall assembly until OD of wrap strip is equal to or max 3/16 in. less than OD of circular through opening. Wrap strip tightly bound with steel tie wire or pressure sensitive tape and slit into through opening on each side of floor or wall assembly such that the exposed edges are recessed 1/4 in. from the floor or wall surface.
 - Fill, Void or Cavity Material** - Caulk - Nom 1/4 in. thickness of caulk to be applied to the recessed edges of the wrap strip and to fill voids between pipe/conduit and the lip(s) of the through opening. For 2 or 3 hr F rating in floor assemblies, caulk to be installed flush with top surface of floor. For wall assemblies and for the 4 hour F Rating in floor assemblies, caulk to be applied on both sides of assembly.
- Minnesota Mining & Mfg. Co. - Types FS-195, FS-195+.
Minnesota Mining & Mfg. Co. - Types CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25 WB+. (Note: L Ratings apply only when Type CP-25 WB+ caulk is used.)
Minnesota Mining & Mfg. Co. - Types CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25 WB+. (Note: L Ratings apply only when Type CP-25 WB+ caulk is used.)
*Bearing the UL Classification Marking.

1 WALL OPENING PROTECTION DETAIL
NLS - UL SECTION CLV

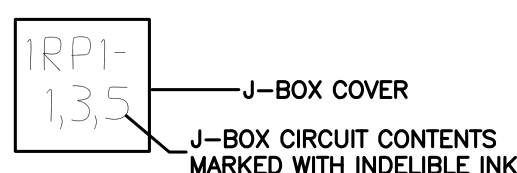


HULTI CONSTRUCTION CHEMICALS, DIV OF HULTI INC. R13240
5400 S. 122ND EAST AVE. TULSA, OK 74146
FS FS-195, for use with max 4 by 4 in. flush device UL Listed Metallic Outlet Boxes in 1 and 2 hr. fire rated gypsum wallboard wall assemblies framed with min 3-5/8 in. wide steel studs and constructed as specified in the individual U400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and completely seal against the stud within the stud cavity. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.
MINNESOTA MINING & MFG CO. R9700
3M CENTER, ST. PAUL, MN 55144
Type MPB-AS+ moldable putty pads for use with max 4-11/16 by 4-11/16 in. flush device UL listed Metallic Outlet Boxes in the rated gypsum wallboard wall assemblies framed with min 3-5/8 in. wide wood or steel studs and constructed as specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet boxes secured to wood studs by means of two nailing tabs in conjunction with nails supplied with the outlet box.



2 RECESSED LIGHTING FIXTURE DETAIL
NLS

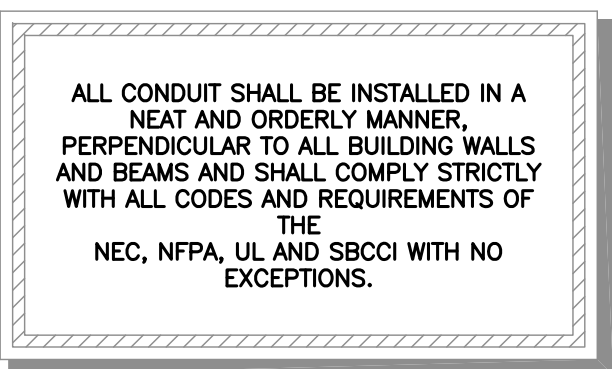
WHERE FIXTURES ARE HUNG IN A FIRE RATED CEILING, THE CEILING CONTRACTOR PROVIDE FIRE PROTECTION AS SHOWN IN UL FIRE RESISTANCE BOOK AS DESIGN NOTE P230 OR P510.



ALL EXPOSED J-BOXES, NOT INCLUDING ELECTRICAL OR MECHANICAL ROOMS, SHALL BE MARKED ON THE INSIDE COVER. ALL OTHERS SHALL BE MARKED ON THE OUTSIDE.

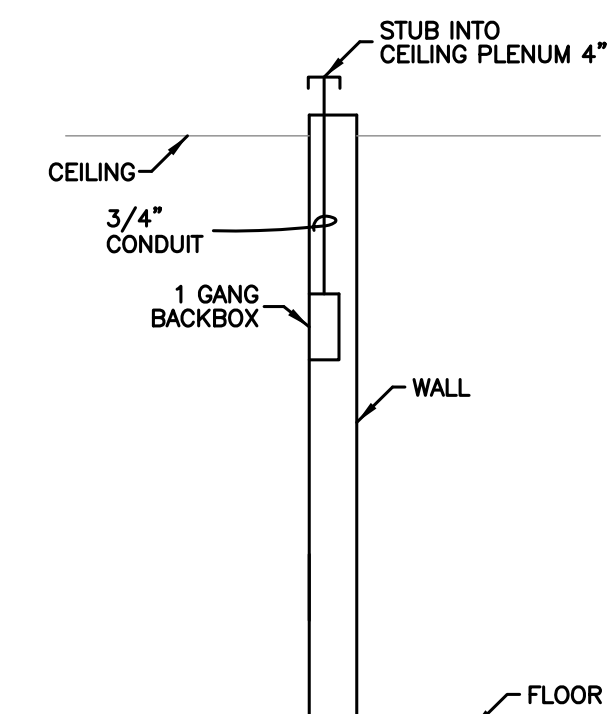
ALL J-BOXES CONTAINING FIRE ALARM CIRCUITS SHALL BE PAINTED RED.

3 J-BOX COVER DETAIL
NLS



ALL CONDUIT SHALL BE INSTALLED IN A NEAT AND ORDERLY MANNER, PERPENDICULAR TO ALL BUILDING WALLS AND BEAMS AND SHALL COMPLY STRICTLY WITH ALL CODES AND REQUIREMENTS OF THE NEC, NFPA, UL, AND SBCCI WITH NO EXCEPTIONS.

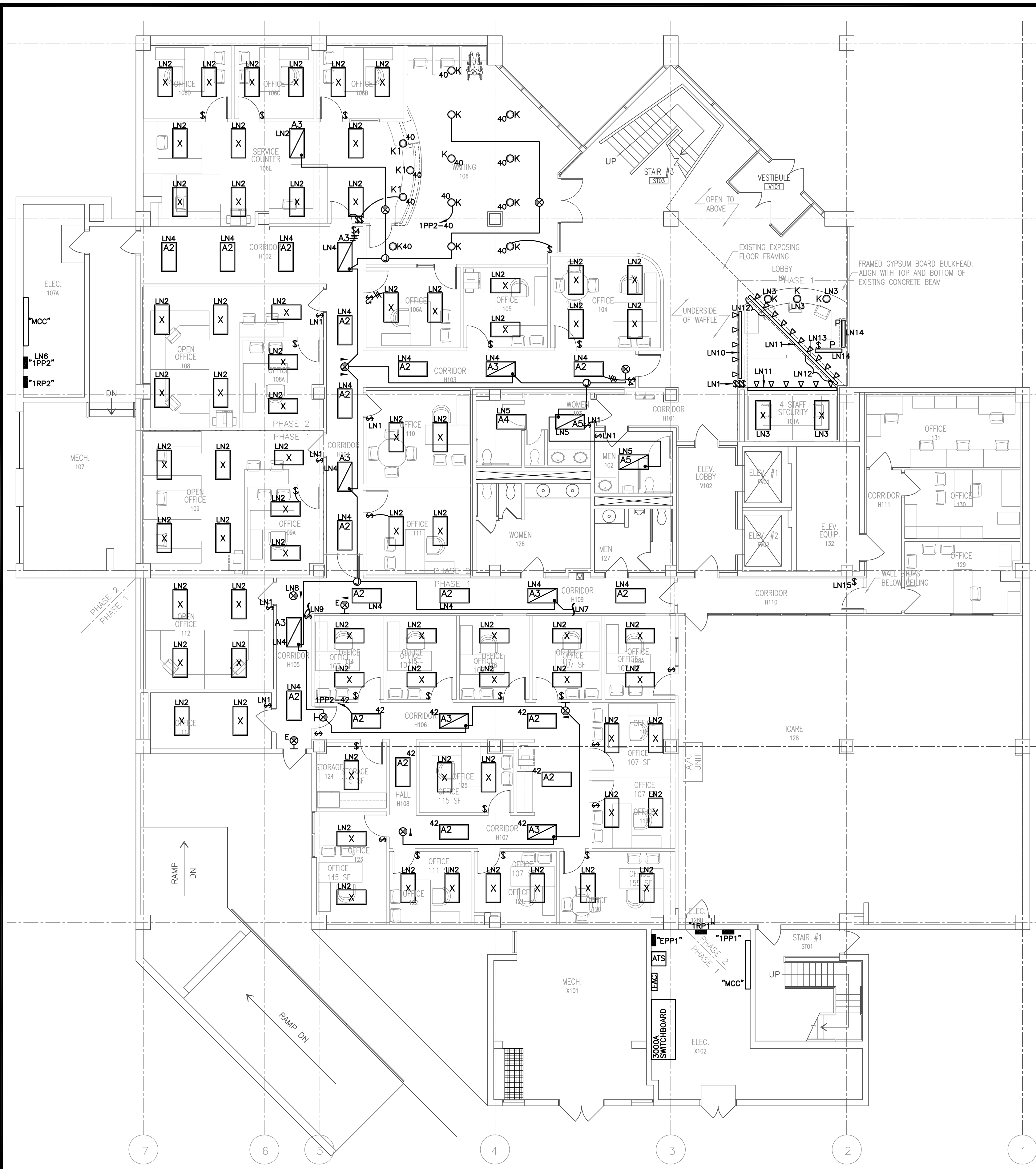
4 TYPICAL VOICE AND DATA OUTLET
NLS



5 TYPICAL CABLE TV OUTLET
NLS

ELECTRICAL SYMBOL SCHEDULE		ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BRANCH CIRCUIT RACEWAY, RUN CONCEALED IN CEILING OR WALLS. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.		ELECTRICAL CIRCUIT BREAKER PANELBOARD.
	BRANCH CIRCUIT RACEWAY, RUN IN AND/OR UNDER SLAB. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.		DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, GROUND FAULT CIRCUIT INTERRUPTER, 16" AFF. THE NUMBER DENOTES CIRCUIT NUMBER. "WP" DENOTES WEATHERPROOF COVER.
	FLEXIBLE CONDUIT, WEATHERPROOF TYPE WHEN CONNECTED TO MOTORS. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE INSTALLED. INSTALL GROUND WIRE WIRE #12 AWG MINIMUM. SPACE NAME AND NUMBER. COORDINATE WITH ARCHITECTURAL SPACE NUMBER.		DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED. THE NUMBER DENOTES CIRCUIT NUMBER. "SF" DENOTES SFPI RECEPTACLE.
	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE. LETTER DENOTES TYPE OF FIXTURE IS EXISTING. SEE LIGHTING PLAN.		2 - 120 VOLT, 20 AMP DUPLEX RECEPTACLES, WALL MOUNTED, 16" AFF, UNLESS OTHERWISE NOTED. THE NUMBER DENOTES CIRCUIT NUMBER.
	FLUORESCENT STRIP LIGHT. LETTER DENOTES TYPE OF FIXTURE, SEE FIXTURE SCHEDULE. NUMBER DENOTES CIRCUIT NUMBER.		2 - 120 VOLT, 20 AMP DUPLEX RECEPTACLES, WALL MOUNTED. THE NUMBER DENOTES CIRCUIT NUMBER. "SF" DENOTES SFPI RECEPTACLE.
	EXIT SIGN. REFER TO FIXTURE SCHEDULE. DARKENED AREA DENOTES SIGN FACE. NUMBER DENOTES CIRCUIT NUMBER. STEM DESIGNATES WALL MOUNTING. NO STEM DENOTES CEILING MOUNTING.		FLUSH WALL MOUNTED JUNCTION BOX, SIZED PER NEC. "WP" DENOTES NEMA 3R WEATHERPROOF. PROVIDE AND INSTALL A FLUSH COVER PLATE.
	DOUBLE FACED EXIT SIGN. NOTATION SAME AS ABOVE. ARROWS DENOTE EXIT DIRECTION.		JUNCTION BOX, MOUNTED ABOVE CEILING, SIZED PER NEC. REFER TO THE NEC TO MAINTAIN CLEARANCES.
	LIGHT SWITCH, SPST, 20A, 48" AFF.		CABLE TRAY, MOUNTED ABOVE CEILING. SEE SPECIFICATIONS. ALL CONDUIT PENETRATIONS THRU FIRE/SMOKE WALLS FROM ONE SECTION OF TRAY TO ANOTHER SHALL BE BONDED TOGETHER. ALL SECTIONS OF CABLE TRAY AND BRANCHES SHALL BE BONDED TOGETHER.
	LIGHT SWITCH, 3-WAY, 20A, 48" AFF.		
	DIMMER SWITCH, 1500 WATTS, 48" AFF.		
	DENOTES THAT ELECTRICAL DEVICE IS SURFACE MOUNTED.		
COMMUNICATIONS/SIGNAL		ABBREVIATIONS	
	SINGLE PORT VOICE OUTLET RECEPTACLE, FLUSH WALL MOUNTED, 16" AFF.	A	AMPERE
	TWO PORT COMBINATION TELEPHONE AND DATA OUTLET RECEPTACLE, FLUSH WALL MOUNTED, 48" AFF OR HIGHER.	AFF	ABOVE FINISHED FLOOR
	TWO PORT COMBINATION TELEPHONE AND DATA OUTLET RECEPTACLE SAME AS ABOVE, EXCEPT MOUNTED 48" AFF OR HIGHER.	ATS	AUTOMATIC TRANSFER SWITCH
	SINGLE GANG DATA OUTLET, FLUSH WALL MOUNTED, 16" AFF.	BKR	BREAKER
	SINGLE GANG DATA OUTLET, FLUSH WALL MOUNTED, 48" AFF OR HIGHER.	C	CONDUIT
	TV OUTLET, FLUSH MOUNTED. TWO GANG BOX, SINGLE GANG PLASTER RING. MOUNT 66" AFF BESIDE RECEPTACLE.	CCT	CIRCUIT
	FIRE ALARM ANNUNCIATOR, FLUSH MOUNTED.	E	EXISTING
	FIRE ALARM CONTROL UNIT, WALL MOUNTED.	EF	ELECTRICAL CONTRACTOR, DIVISION 16.
	FIRE ALARM PULL STATION, WALL MOUNTED 48" AFF.	FAN	FAN COIL UNIT.
	SECURITY CARD SWIPE, WALL MOUNTED.	FCU	GENERAL CONTRACTOR, DIVISION 00 THROUGH 14.
		GF	GROUND FAULT CIRCUIT INTERRUPTER.
		JB or J-BOX	JUNCTION BOX.
		KVA	KILOVOLT AMPERES.
		KW	KILOWATT.
		MW	MAXIMUM.
		MC	MECHANICAL CONTRACTOR, DIVISION 15.
		MDP	MAIN DISTRIBUTION PANEL.
		MIN	MINIMUM.
		VFD	VARIABLE FREQUENCY DRIVE
		NEC	2011 NATIONAL ELECTRICAL CODE. (NFPA 70).
		SWBD	SWITCHBOARD.
		TYP	TYPICAL.
		WC	WATER COOLER.
		XFMR	TRANSFORMER.

LIGHT FIXTURE SCHEDULE				
	TYPE	DESCRIPTION	CATALOG NO.	LAMPS
	A2	2'x4', 2 LAMP TROFFER WITH SILVER PARABOLIC LOUVERS, 120 VOLT.	COLUMBIA P424-2320-M48-S-EU-P4F 120 VOLT	2-F3278/SPX41
	A3	2'x4', 2 LAMP TROFFER WITH SILVER PARABOLIC LOUVERS, 2-1 LAMP BALLAST, 1-1 LAMP BALLAST ON EMERGENCY CIRCUIT, 120 VOLT.	COLUMBIA P424-2320-M48-S-EU-2/P4F 120 VOLT	2-F3278/SPX41
	A4	FLUORESCENT, 2' x 4', 2 LAMP, RECESSED STATIC TROFFER, NO PRE PAINT, 120 VOLT.	COLUMBIA 4PS24-2320-FA112-EU-P4F 120 VOLT	2-F3278/SPX41
	A5	FLUORESCENT, 2' x 4', 2 LAMP, RECESSED STATIC TROFFER, NO PRE PAINT, 2-1 LAMP BALLAST, 1-1 LAMP BALLAST ON EMERGENCY CIRCUIT, 120 VOLT.	COLUMBIA 4PS24-2320-FA112-EU-2/P4F 120 VOLT	2-F3278/SPX41
	K	FLUORESCENT, ROUND, 6" RECESSED COMPACT FLUORESCENT DOWNLIGHT, 1-40W LAMP, CLEAR ALZAK REFLECTOR, 120V	CAPRI CM8-F142-U-H85 120 VOLT	1-CF42W/G24
	K1	FLUORESCENT, ROUND, 6" RECESSED COMPACT FLUORESCENT DOWNLIGHT, 1-20W LAMP, CLEAR ALZAK REFLECTOR, 120V	CAPRI CM8-F126-U-H85 120 VOLT	1-CF26W/G24
	P	TRIM, LOW-PROFILE UNDERCABINET LIGHT FIXTURE 120 VOLT.	LITHONIA UC42E-120-LPW-P4F 120 VOLT	2-13W T5
	EXIT	EXIT LIGHT. SEE PLANS TO DETERMINE WHICH UNITS ARE SINGLE / DOUBLE FACED WALL OR CEILING MOUNTED. WALL MOUNTED EXIT LIGHTS SHALL BE MOUNTED AT 6" ABOVE TOP OF DOOR FRAME. LED.	MCPHILBEN #CXL-3-R-W 120 VOLT INPUT	LED
	NOTE #1:	ALL RECESSED LIGHT FIXTURES SHALL BE HUNG WITH 4 HANGER WIRES SO THAT THE WEIGHT IS INDEPENDENT OF THE CEILING GRID. ALL RECESSED FIXTURES SHALL BE INSTALLED WITH EARTHQUAKE CLIPS. ALL 2' AND 4' FLUORESCENT FIXTURES SHALL BE EQUIPPED WITH T8 LAMPS AND ELECTRONIC BALLASTS, UNLESS OTHERWISE NOTED. COORDINATE FIXTURE LOCATIONS WITH THE REFLECTED CEILING PLAN AND THE HVAC PLAN.		
	NOTE #2:	ALL HID AND FLUORESCENT LIGHT FIXTURES INSTALLED OUTDOORS OR EXPOSED TO COLD WEATHER SHALL HAVE ZERO DEGREE BALLASTS.		
	NOTE #3:	THE NUMBER AFTER THE FIXTURE CATALOG NUMBER DENOTES NUMBER OF BALLASTS (EXAMPLE: 1/4 DENOTES 1 - 4 LAMP BALLASTS. TYPE "A" FIXTURES THAT ARE DOUBLE SWITCHED SHALL HAVE 2, 2 LAMP BALLASTS.		



FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

- LIGHTING NOTES (LN):**
- LN1. EC SHALL FURNISH AND INSTALL A NEW LIGHT SWITCH AND FACEPLATE IN EXISTING BACKBOX FROM DEMOLITION.
 - LN2. EXISTING FIXTURE FROM DEMOLITION, EC SHALL CONNECT TO EXISTING LIGHTING CIRCUIT IN EXISTING SPACE AND EXTEND CIRCUIT AS REQUIRED FOR REINSTALLATION. CLEAN PARABOLIC LENS AND REPLACE BULBS AS REQUIRED. DIV 16 SHALL VERIFY THAT EXISTING CIRCUIT HAS THE CAPACITY FOR NEW LOAD PRIOR TO CIRCUIT ADDITION.
 - LN3. EC SHALL CONNECT TO NEAREST EXISTING NORMAL POWER LIGHTING CIRCUIT, AND EXISTING LIGHTING LOBBY SWITCH LEG. COORDINATE.
 - LN4. EC SHALL CONNECT LIGHT FIXTURE TO EXISTING NORMAL POWER CORRIDOR LIGHTING CIRCUIT FROM DEMOLITION. EXTEND EXISTING CIRCUIT AS REQUIRED.
 - LN5. CONNECT TO EXISTING LIGHTING CIRCUIT FROM DEMOLITION. COORDINATE.
 - LN6. EC SHALL FURNISH AND INSTALL A 20A/120V/1P BREAKER IN EXISTING SPACES 40 AND 42 OF EXISTING PANEL 1PP2.
 - LN7. OFFER LIGHTING CORRIDOR EMERGENCY LIGHTING CIRCUIT.
 - LN8. EC SHALL CONNECT LIGHT FIXTURE TO EXISTING EMERGENCY POWER CORRIDOR LIGHTING CIRCUIT FROM DEMOLITION. EXTEND EXISTING CIRCUIT REQUIRED.
 - LN9. CONNECT TO EXISTING SWITCH IN SPACE FROM DEMOLITION. COORDINATE.
 - LN10. EC SHALL REINSTALL EXISTING TRACK LIGHT FROM DEMOLITION AVOID FROM NEW WALL. COORDINATE EXACT TRACK LIGHT LOCATION PRIOR TO REINSTALLATION. CLEAN LENSES AND REPLACE BULBS AS REQUIRED.
 - LN11. EXISTING TRACK LIGHT FIXTURE FROM DEMOLITION, EC SHALL EXTEND EXISTING CIRCUIT AS REQUIRED FOR RELOCATION OF EXISTING FIXTURE. CLEAN LENSES AND REPLACE BULBS AS REQUIRED.
 - LN12. EC SHALL DISCONNECT AND REMOVE EXISTING TRACK LIGHT HEADS IN THIS AREA. COORDINATE.
 - LN13. SWITCH SHALL CONTROL ALL UNDERCOUNTERING LIGHTING. COORDINATE WITH OWNER EXACT MOUNTING LOCATION PRIOR TO ANY ROUGH-INS.
 - LN14. EC SHALL CONNECT FIXTURE TO NEAREST 120V RECEPTACLE CIRCUIT. EC SHALL COORDINATE EXACT MOUNTING LOCATION.
 - LN15. RELOCATED CORRIDOR LIGHT SWITCH. EXTEND EXISTING CORRIDOR SWITCH LEG AND RECONNECT.

- PHASING NOTES:**
- 1. PHASE ONE SHALL INCLUDE DEMOLITION AND RENOVATION ACTIVITIES ASSOCIATED WITH THE FOLLOWING SPACES: OFFICE 117, 118, CORRIDORS H105, H106, OPEN OFFICE 119, 120, 112, STORAGE 121A AND THE NEW SECURITY AREA IN THE LOBBY.
 - 2. PHASE TWO SHALL INCLUDE DEMOLITION AND RENOVATION ACTIVITIES ASSOCIATED WITH THE FOLLOWING SPACES: OFFICE 105, 105A, 105B, 105C, 105D, 105E, 105F, 114, 115, 116, OPEN OFFICE 111, 112, CORRIDOR H101, H102, H104, SECURITY 104, MEN 102 AND WOMEN 103.
 - 3. OPEN OFFICE 112 WILL BE IN BOTH PHASE 1 AND PHASE 2.



FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

- GENERAL NOTES (GN):**
- GN1. REMOVE ALL ABANDONED WIRING TO SOURCE OF SUPPLY.
 - GN2. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES.
 - GN3. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVICING EQUIPMENT THAT HAS BEEN REMOVED.
 - GN4. DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.
 - GN5. THE INSTALLATION AND REMOVAL OF ANY AND ALL VOICE/DATA WIRE SHALL BE DONE BY OWNER UNDER A DIFFERENT CONTRACT.
- DEMOLITION NOTES (DN):**
- DN1. EXISTING ELECTRICAL ELEMENTS SHALL REMAIN AS-IS UNLESS OTHERWISE NOTED.
 - DN2. EXISTING LIGHT SWITCH, FACE PLATE, BACKBOX, AND SWITCH LEG SHALL BE DISCONNECTED, REMOVED, AND DISPOSED COMPLETELY. REPAIR WALL TO CONDITION OF REMAIN WALL.
 - DN3. EXISTING LIGHT FIXTURE SHALL BE DISCONNECTED, REMOVED, AND TURNED OVER TO OWNER. CONDUIT, WIRE, AND BACKBOX SHALL BE REMOVED BACK TO SOURCE PANEL OR J-BOX. MARK EXISTING BREAKER IN SOURCE PANEL AS SPARE. RE-CIRCUIT AS REQUIRED TO MAINTAIN SERVICE TO ALL DOWNSTREAM DEVICES.
 - DN4. EXISTING LIGHT FIXTURE SHALL BE DISCONNECTED, REMOVED, AND STORED FOR REINSTALLATION IN LIGHTING RENOVATION WORK. EC SHALL CLEAN PARABOLIC LENS AND REPLACE BULBS AS REQUIRED. EXISTING LIGHTING CIRCUIT IN SPACE SHALL REMAIN AND BE EXTENDED AND REWORKED AS REQUIRED FOR FIXTURE REINSTALLATION.
 - DN5. EXISTING DATA DEVICES AND ASSOCIATED DATA WIRE SHALL BE REMOVED OR RELOCATED BY OWNER UNDER A DIFFERENT CONTRACT. COORDINATE.
 - DN6. EXISTING LIGHT SWITCH AND FACE PLATE SHALL BE DISCONNECTED, REMOVED, AND DISPOSED. EXISTING WIRE AND BACKBOX SHALL REMAIN. SWITCH TYPE SHALL BE VERIFIED PRIOR TO DEMOLITION.
 - DN7. EXISTING FIRE ALARM ANNUNCIATOR SHALL BE DISCONNECTED FROM EXISTING FIRE ALARM CIRCUIT. EC SHALL ELABORATE EXISTING FIRE ALARM ANNUNCIATOR AS SHOWN ON RENOVATION PLANS. EC SHALL EXTEND EXISTING FIRE ALARM CIRCUIT AS REQUIRED FOR RELOCATION.
 - DN8. EXISTING LIGHT FIXTURE SHALL BE DISCONNECTED, REMOVED, AND DISPOSED. EXISTING LIGHTING CIRCUIT SHALL REMAIN. EC SHALL REPAIR CEILING TO CONDITION OF REMAINING CEILING. COORDINATE.
 - DN9. EXISTING RECEPTACLE AND FACEPLATE SHALL BE DISCONNECTED, REMOVED, AND DISPOSED. EXISTING WIRE AND BACKBOX SHALL REMAIN. EC SHALL FURNISH AND INSTALL NEW RECEPTACLE AND FACEPLATE AS SHOWN IN RENOVATION.
 - DN10. EXISTING LIGHT FIXTURE SHALL BE DISCONNECTED, REMOVED, AND TURNED OVER TO OWNER. EXISTING CORRIDOR LIGHTING CIRCUIT AND LIGHTING SWITCH LEG SHALL REMAIN.
 - DN11. EXISTING SECURITY DEVICE AND ASSOCIATED SECURITY WIRE SHALL BE REMOVED OR RELOCATED BY OWNER UNDER A DIFFERENT CONTRACT. COORDINATE.
 - DN12. ALL ELECTRICAL SYSTEM ELEMENTS ON DEMOLISHED WALLS SHALL BE REMOVED. REMOVE BACKBOX, SUPPLY CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL OR J-BOX. MARK EXISTING BREAKER IN SOURCE PANEL AS SPARE. RE-CIRCUIT AS REQUIRED TO MAINTAIN SERVICE TO ALL DOWNSTREAM DEVICES.
 - DN13. REMOVE BACKBOX AND SUPPLY CONDUIT BACK TO NEXT J-BOX. DIV 16 SHALL REPAIR WALL TO CONDITION OF REMAINING WALL. THE VOICE/DATA WIRE SHALL BE REMOVED BY OWNER UNDER A DIFFERENT CONTRACT.
 - DN14. DISCONNECT AND RELOCATE VENDING J-BOX AS SHOWN ON RENOVATION PLAN. EXTEND EXISTING CIRCUIT AS REQUIRED FOR RELOCATION.
 - DN15. EXISTING VOICE/DATA FACEPLATE SHALL BE DISCONNECTED, REMOVED, AND DISPOSED. EXISTING WIRE AND BACKBOX SHALL REMAIN. EC SHALL FURNISH AND INSTALL NEW FACEPLATE AS SHOWN IN RENOVATION.
 - DN16. EXISTING LIGHT FIXTURE SHALL REMAIN AS-IS. EC SHALL CLEAN LENS AND REPLACE BULBS AS REQUIRED. EXISTING LIGHTING CIRCUIT IN SPACE SHALL REMAIN AS-IS.
 - DN17. EXISTING RECEPTACLE AND FACEPLATE SHALL BE DISCONNECTED, REMOVED, AND DISPOSED. REMOVE BACKBOX, SUPPLY CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL OR J-BOX. MARK EXISTING BREAKER IN SOURCE PANEL AS SPARE. RE-CIRCUIT AS REQUIRED TO MAINTAIN SERVICE TO ALL DOWNSTREAM DEVICES. DIV 16 SHALL REPAIR WALL TO CONDITION OF REMAINING WALL. COORDINATE.
 - DN18. EXISTING UNDER RAISED FLOOR POWER CENTER RECEPTACLE BOX SHALL REMAIN AS-IS. DIV 16 SHALL DISCONNECT AND ABANDON IN PLACE EXISTING HOME RUN CIRCUITS 1RP2-8,10,12 / 1RP2-9,11 / 1RP2-1,3,5 AND 1RP2-2,4,6. MARK EXISTING BREAKERS IN EXISTING PANEL 1RP2 AS SPARES. COORDINATE.

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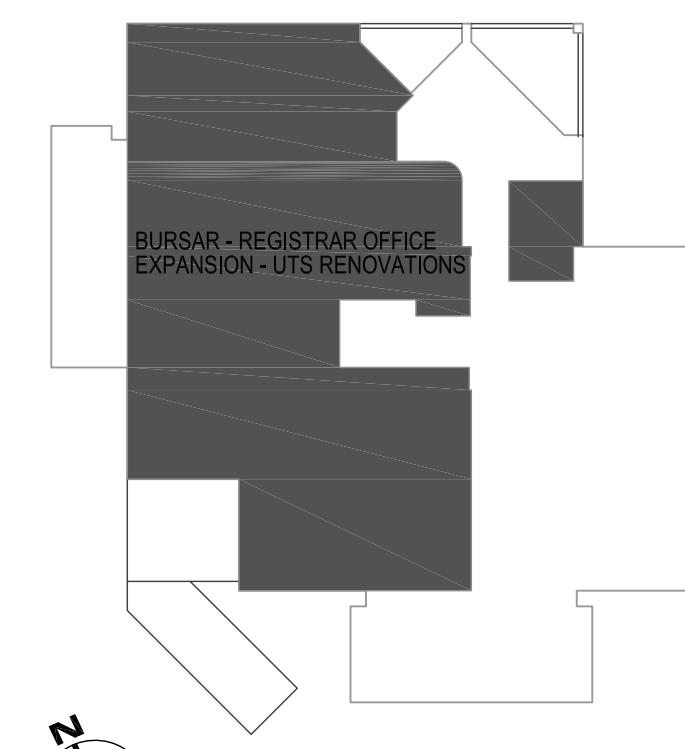
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