

C:\LOCAL REVIT PROJECTS\2017\1706 SRISD Renovations at Admin. Bldg\1706 SRISD Renovations at Admin. Bldg_LOCAL_JOSH.rvt 7/11/2018 2:17:55 PM

RENOVATIONS AT ADMINISTRATION BUILDING

SANTA ROSA INDEPENDENT SCHOOL DISTRICT SANTA ROSA, TX

SANTA ROSA ISD BOARD OF TRUSTEES

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HERIBERTO VILLARREAL, SUPERINTENDENT

OWNER'S REPRESENTATIVE

HERIBERTO VILLARREAL, SUPERINTENDENT
102 JESUS R. CRUZ, SANTA ROSA, TEXAS 78593
PHONE: 956-636-9800, FAX: 956-636-1439

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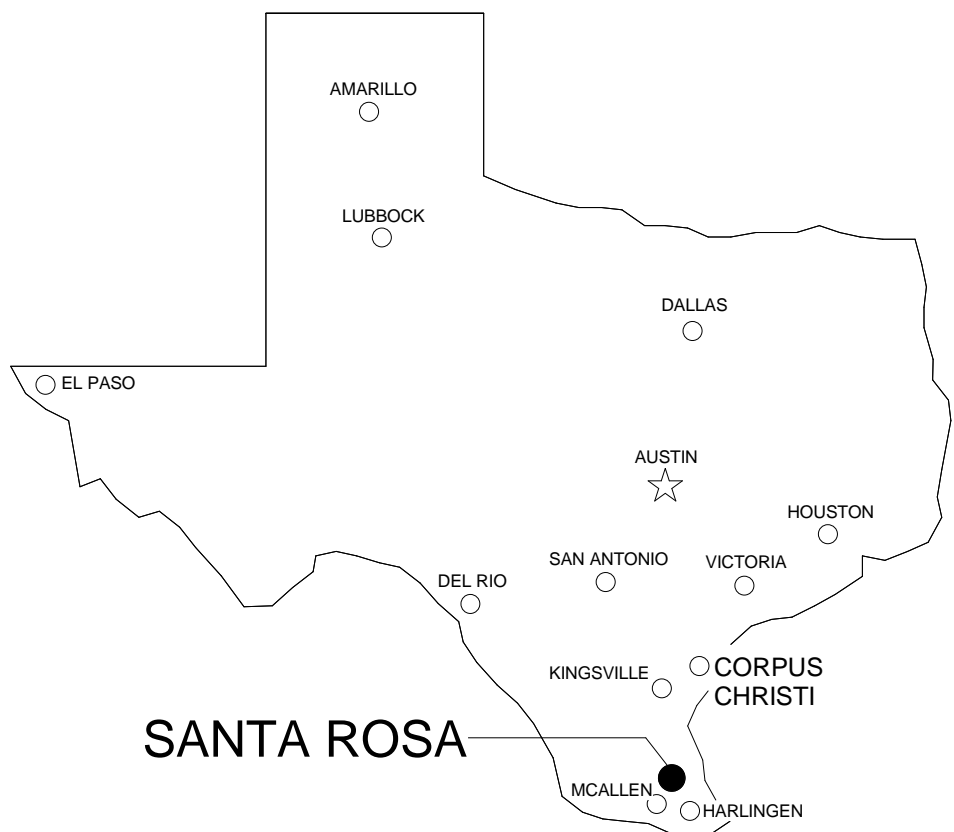
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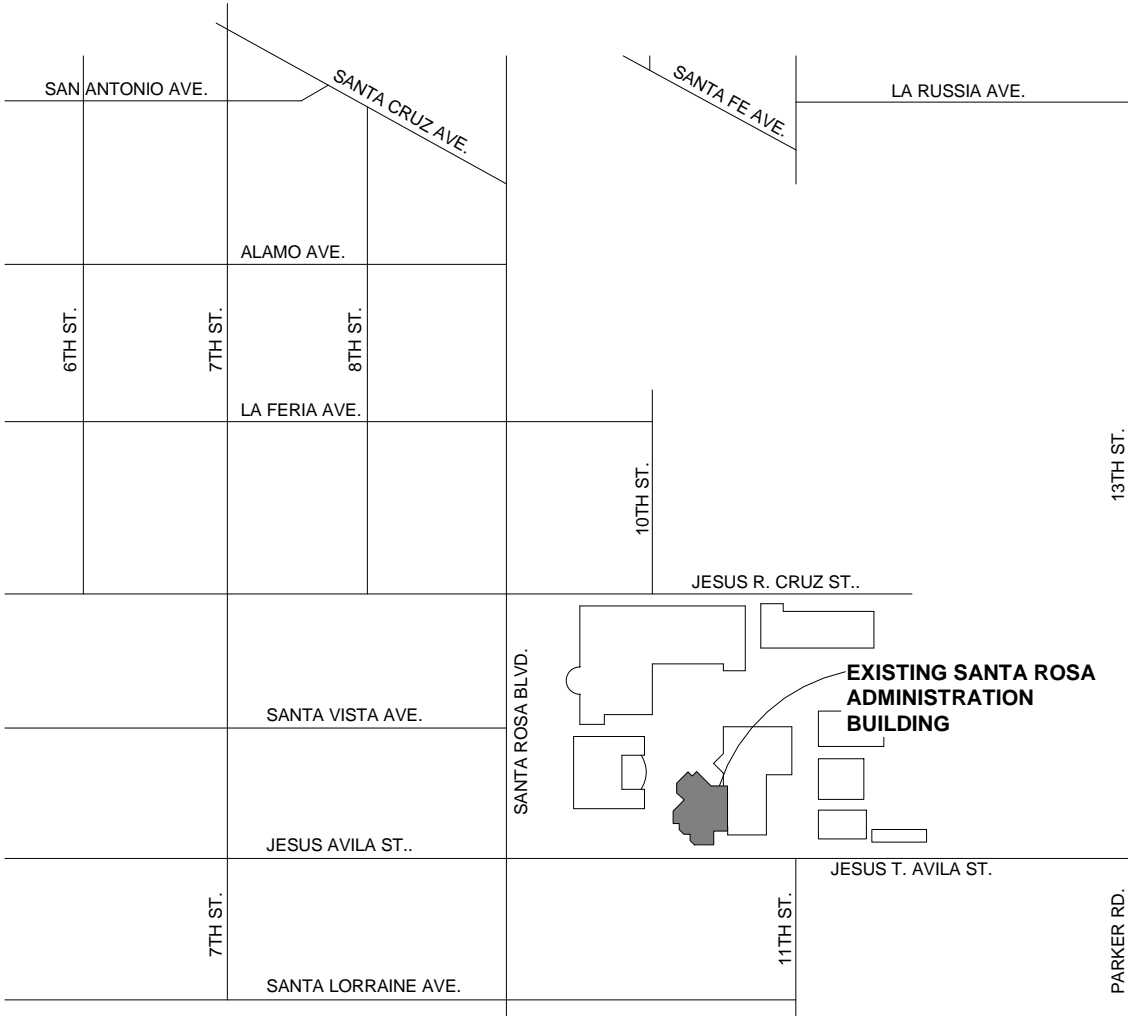
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MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS

DBR ENGINEERING CONSULTANTS, INC.
400 MANN ST #602, CORPUS CHRISTI, TX 78401
PHONE: 361-888-5797



LOCATION MAP



VICINITY MAP

ALTERNATES

ARCHITECTURAL ALTERNATES:

ALTERNATE A-1: SECURITY CAMERA SYSTEM
ALTERNATE A-2: ACCESS CONTROLLED CARD READERS FOR DOORS

GENERAL NOTES

- GENERAL CONTRACTOR SHALL VISIT THE SITE TO INSPECT EXISTING CONDITIONS WITH REGARD TO THE SCOPE OF WORK PRIOR TO BIDDING PROJECT. IMMEDIATELY NOTIFY ARCHITECT IN WRITING OF ANY AMBIGUITIES FOR CLARIFICATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, QUANTITIES, ETC. PRIOR TO SUBMITTING BID.
- ALL EXISTING ITEMS TO REMAIN OR BE RELOCATED SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ALL EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, AS DIRECTED BY THE ARCHITECT.
- CONTRACTOR TO LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS, EXCESS SOIL, EXTRA MATERIALS AND DEMOLISHED ITEMS.
- AT NO TIME DURING THE PROCESS OF THE WORK SHALL THE CONTRACTOR INTERRUPT THE CONTINUITY OF ANY OF THE REQUIRED SERVICES TO THE EXISTING BUILDINGS DURING SCHEDULED USAGE BY THE OWNER. ANY DAMAGE TO THESE SERVICES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- CONTRACTOR SHALL WALK THE SITE, WHERE THE WORK WILL TAKE PLACE, WITH THE OWNER'S REPRESENTATIVE AND IDENTIFY, LOCATE AND PHOTOGRAPH ALL DAMAGED WALKS, ETC. TO DETERMINE LOCATION AND AMOUNTS OF EXISTING DAMAGE PRIOR TO BEGINNING WORK. MAIL A COPY OF THE LIST AND PHOTOGRAPHS TO THE OWNER AND THE ARCHITECT. VIDEO TAPE WITH VERBAL DESCRIPTION AND LOCATION IS ACCEPTABLE.

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Phone: 361.884.7442
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RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 07/11/2018
DWG BY: JC
CKD BY: ARS
JOB NO: 1706

REVISION:

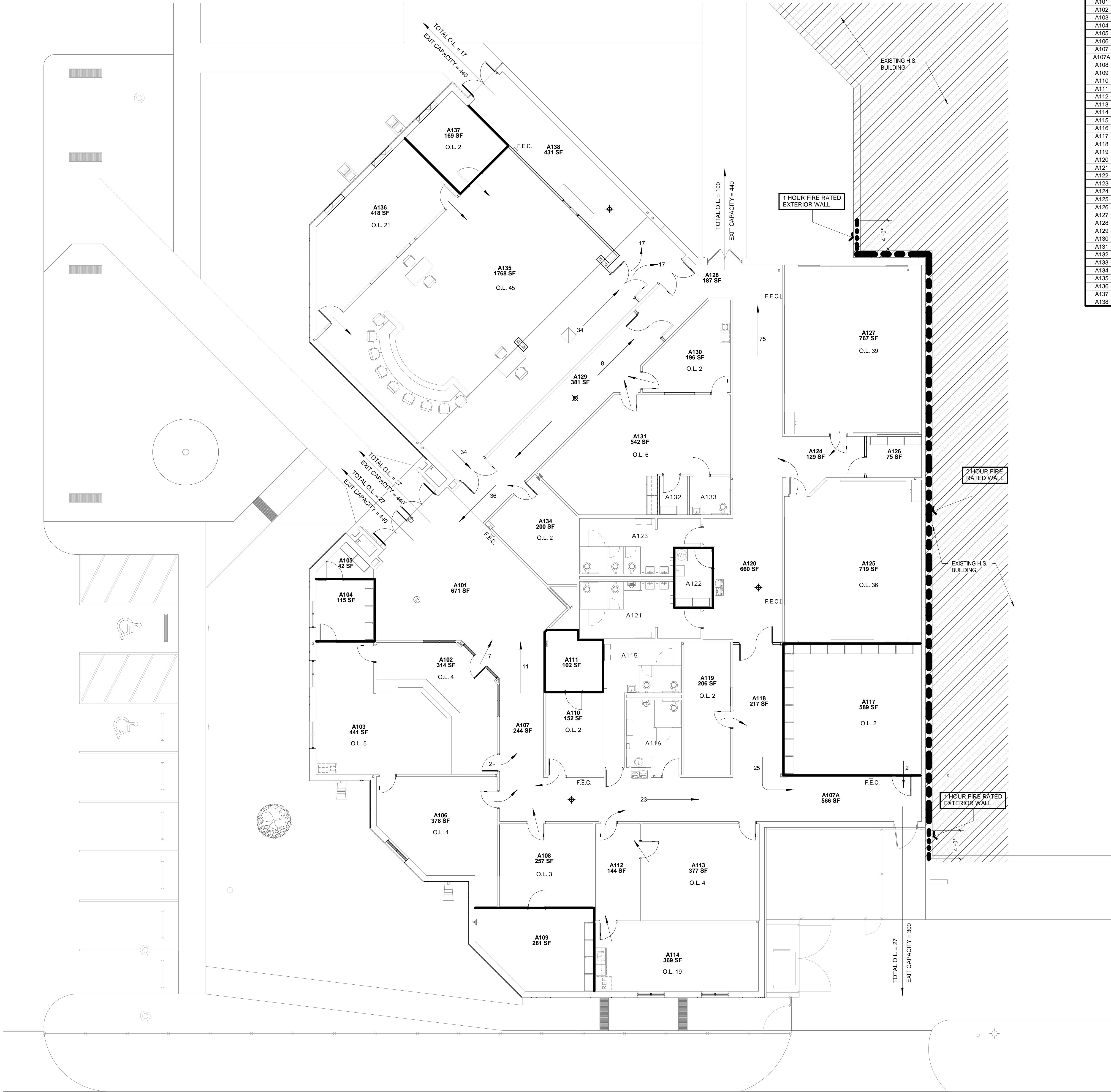
SHEET NUMBER

A001

COVER SHEET

SET NO.

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1 FIRE SEPARATION - OCCUPANT LOADS & EGRESS PLAN
1/8" = 1'-0"

ROOM NAMES - LEVEL 1 - AREA A	
NO.	NAME
A101	ENTRANCE LOBBY
A102	RECEPTION
A103	BUSINESS OFFICE
A104	STORAGE
A105	STORAGE
A106	CFO
A107	CORRIDOR
A107A	CORRIDOR
A108	OFFICE
A109	STORAGE
A110	SECRETARY
A111	ELECTRICAL
A112	CORRIDOR
A113	OFFICE
A114	TEACHER'S LOUNGE
A115	WOMEN'S RESTROOM
A116	WOMEN'S RESTROOM
A117	SHIPPING & RECEIVING
A118	CORRIDOR
A119	OFFICE
A120	CORRIDOR
A121	BOY'S RESTROOM
A122	CUSTODIAN
A123	GIRL'S RESTROOM
A124	CORRIDOR
A125	CLASSROOM
A126	STORAGE
A127	CLASSROOM
A128	CORRIDOR
A129	CORRIDOR
A130	SECRETARY
A131	SUPERINTENDENT
A132	STORAGE
A133	RESTROOM
A134	IDF ROOM
A135	BOARDROOM
A136	EXECUTIVE SESSION
A137	RECORDS
A138	CORRIDOR

PROJECT DATA

PROJECT OWNER
SANTA ROSA INDEPENDENT SCHOOL DISTRICT,
CAMERON COUNTY, SANTA ROSA, TEXAS

APPLICABLE CODES AND REGULATIONS
ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS STATED IN THE CODES AND STANDARDS EXCEPT WHEN REQUIREMENTS ARE MODIFIED BY THE CONTRACT DOCUMENTS. NOTHING IN THE CONTRACT DOCUMENTS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHEN TWO OR MORE CODES OR STANDARDS ARE APPLICABLE TO THE SAME WORK, THEN THE MORE STRINGENT CODE OR STANDARD SHALL GOVERN.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFYING ALL LOCAL CODES AND ORDINANCES THAT MAY ALTER ANY PART OF THE PLAN AND SPECIFICATIONS. THE CONTRACTOR SHALL BEAR ALL COSTS FOR CORRECTING THE DEFICIENCIES.

ICC INTERNATIONAL BUILDING CODE 2012 EDITION
ICC INTERNATIONAL ENERGY CONSERVATION CODE 2015 EDITION
ICC INTERNATIONAL MECHANICAL CODE 2012 EDITION
ICC INTERNATIONAL FIRE CODE 2012 EDITION
ICC INTERNATIONAL PLUMBING CODE 2012 EDITION
ICC INTERNATIONAL FUEL AND GAS CODE 2012 EDITION
NATIONAL ELECTRICAL CODE 2011 EDITION WITH LOCAL AMENDMENTS
NFPA LIFE SAFETY CODE 2012 EDITION
FLOOD HAZARD PREVENTION CODE 2012 EDITION
ASHRAE GUIDE LATEST EDITION
TEXAS ACCESSIBILITY STANDARDS 2012 TAS EDITION
CITY OF SANTA ROSA ADOPTED CODES AND AMENDMENTS TO CODE (NOT USED - IS AN EXISTING BUILDING, 110 M.P.H. INLAND II (WITH 3 SECOND GUST) (TDI) TDI IS NOT IN SCOPE OF PROJECT)

BUILDING CLASSIFICATION

RENOVATION - EXISTING BUILDING AREA

PRIMARY OCCUPANCY CLASSIFICATION BUSINESS, GROUP B PRIMARY OCCUPANCY WITH EDUCATIONAL GROUP E, ACCESSORY OCCUPANCY
NEW CONSTRUCTION TYPE CLASSIFICATION TYPE II B (BUILDING ELEMENTS NONCOMBUSTIBLE MATERIALS) NONSEPARATED USE

ALLOWABLE BUILDING AREA AND HEIGHT (I. 503) 14,500 S.F. / 2 STORIES / 55 FEET
1. ALLOWABLE BUILDING AREA (WITH SPRINKLER INCREASE) = 58,000 S.F.
2. ACTUAL BUILDING AREA = 14,257 S.F.
3. ACTUAL BUILDING HEIGHT (FRONTAGE INCREASE NOT INCLUDED, SINCE NOT REQUIRED) = (SINGLE STORY, < 24 FEET)

FIRE PROTECTION SYSTEM (903)

1. SPRINKLER SYSTEM BUSINESS (B) / EDUCATIONAL (E) REQUIRED AND SPECIFIED
(& VOICE ALARM COMMUNICATION)
2. FIRE ALARM SYSTEM REQUIRED AND SPECIFIED
3. REFER TO FIRE SEPARATION PLAN, SHEET A002 FOR FIRE AREAS, WALLS, BARRIERS, AND PARTITIONS

CODE REQUIREMENTS

FIRE BARRIERS AND MEANS OF EGRESS PER CODE, AS SHOWN ON PLAN.

FIRE-RESISTANCE RATING FOR BUILDING (TABLE 601)

1. PRIMARY STRUCTURAL FRAME 0 HOUR RATED
2. BEARING WALLS 0 HOUR RATED
3. NON-BEARING WALLS AND PARTITIONS 0 HOUR RATED
4. FLOOR CONSTRUCTION 0 HOUR RATED
5. ROOF CONSTRUCTION AND SECONDARY MEMBERS 0 HOUR RATED
6. INCIDENTAL USES (I.509) - RATED AS SHOWN ON FIRE SEPARATION PLAN

MEANS OF EGRESS WIDTHS
DOOR WIDTH 36" = 33" OPENING/20' = 165 O.L. (RE: 1005.3.2)
(WITH SPRINKLER = 33" OPENING/15' = 220 O.L.)

PLUMBING FIXTURE COUNT (IN COMPLIANCE)

TOTAL OCCUPANT LOAD = 1942 = 97 MALE & 97 FEMALE = MIXED BUSINESS / EDUCATIONAL

MALE = REQUIRED 4 WATER CLOSETS & 3 LAVATORIES = PROVIDED 5 WATER CLOSETS & 3 LAVATORIES = IN COMPLIANCE (REFER TO BELOW)
FEMALE = REQUIRED 4 WATER CLOSETS & 3 LAVATORIES = PROVIDED 5 WATER CLOSETS & 3 LAVATORIES = IN COMPLIANCE (REFER TO BELOW)
(UNISEX = PROVIDED 1 WATER CLOSET & 1 LAVATORY)

STUDENTS = 752 = 38 MALE & 36 FEMALE (FOR CLASSROOMS) = EDUCATIONAL

MALE = REQUIRED 1 WATER CLOSET & 1 LAVATORY = PROVIDED 3 WATER CLOSETS & 2 LAVATORIES = IN COMPLIANCE
FEMALE = REQUIRED 1 WATER CLOSET & 1 LAVATORY = PROVIDED 3 WATER CLOSETS & 2 LAVATORIES = IN COMPLIANCE
(UNISEX = PROVIDED 1 WATER CLOSET & 1 LAVATORY)

ADULTS = 1192 = 60 MALE & 60 FEMALE = BUSINESS

MALE = REQUIRED 3 WATER CLOSETS & 2 LAVATORIES = PROVIDED 5 WATER CLOSETS & 3 LAVATORIES = IN COMPLIANCE
FEMALE = REQUIRED 3 WATER CLOSETS & 2 LAVATORIES = PROVIDED 5 WATER CLOSETS & 3 LAVATORIES = IN COMPLIANCE
(UNISEX = PROVIDED 1 WATER CLOSET & 1 LAVATORY)

STRUCTURAL DESIGN CRITERIA

REFER TO STRUCTURAL PLANS

ROOF LIVE LOAD EXISTING (20 P.S.F.)
WIND LOAD 100 M.P.H. (IS A TEXAS FIRST TIER COASTAL COUNTY TDI WINDSTORM AREA, BUT TDI IS NOT BEING USED - IS AN EXISTING BUILDING, TDI IS NOT IN SCOPE OF PROJECT)

FLOOR LIVE LOAD
A. OFFICE (NOT INCLUDING PARTITIONS) EXISTING (50 P.S.F.)
B. PUBLIC AREAS, CORRIDORS, LOBBIES EXISTING (100 P.S.F.)
C. MECHANICAL ROOMS EXISTING (150 P.S.F.)
D. STORAGE (MINIMUM) EXISTING (125 P.S.F.)
E. CLASSROOMS EXISTING (40 P.S.F.)

EXISTING ADMINISTRATION BUILDING

FOUNDATION SYSTEM EXISTING STRUCTURAL REINFORCED CONCRETE SLAB ON GRADE
STRUCTURE/ROOF SYSTEM EXISTING STEEL COLUMNS, BEAMS, JOISTS, CHANNELS, TUBES AND GIRTS, METAL ROOF DECK
ROOF - EXISTING BUILT-UP TAR AND GRAVEL

UTILITY SERVICE INFORMATION

DOMESTIC WATER SOURCE CITY OF SANTA ROSA
SANITARY SEWER SERVICE CITY OF SANTA ROSA
STORM SEWER SYSTEM (BUILDING) EXISTING ROOF SURFACE RUNOFF, SLOPED TO EDGE WITH GUTTERS & DOWNSPOUTS
STORM SEWER SERVICE (SITE) EXISTING CITY SYSTEM, SURFACE RUNOFF
ELECTRICAL SERVICE SOURCE EXISTING, VERIFY ON SITE
ELECTRICAL SERVICE SIZE FROM THE EXISTING ADJACENT BUILDING

HVAC DESIGN CRITERIA

DESIGN CONDITIONS (OUTSIDE TEMPERATURE)
SUMMER 99 DEGREES FDB, 80 DEGREES FWB
WINTER 37 DEGREES FAHRENHEIT

RATED WALL, BARRIER & PARTITION LEGEND

2 HOUR FIRE RATED WALL, EXTEND 30" ABOVE BOTH ROOFS, OR FLOOR TO ROOF DECK IF BOTH BUILDINGS HAVE CLASS B ROOF COVERING

1 HOUR FIRE RATED WALL (EXTERIOR)

SMOKE RESISTANT PARTITION, FLOOR TO CEILING OR ROOF DECK (INCIDENTAL USE AREAS IN SPRINKLERED BUILDINGS) (CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE; NOT A RATED SMOKE BARRIER NOR A RATED SMOKE PARTITION)

REFER TO FLOOR PLANS, PARTITION SCHEDULE, AND DOOR AND WINDOW SCHEDULES

NOTE: ALL DOORS, FRAMES, WINDOWS AND GLASS IN FIRE RATED WALLS AND PARTITIONS ARE FIRE RATED. REFER TO DOOR AND WINDOW SCHEDULES AND SPECIFICATIONS.

LWA

ARCHITECTS

American Bank Plaza
711 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
www.lwarchitects.com

REGISTERED ARCHITECT
STATE OF TEXAS
13607
07-11-2018

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 07/11/2018
DWG BY: JC.MW
CKD BY: ARS
JOB NO: 1706
REVISION:
SHEET NUMBER
A002
PROJECT DATA
SET NO.

1 ADA RESTROOM FLOOR PLAN 1/4" = 1'-0"

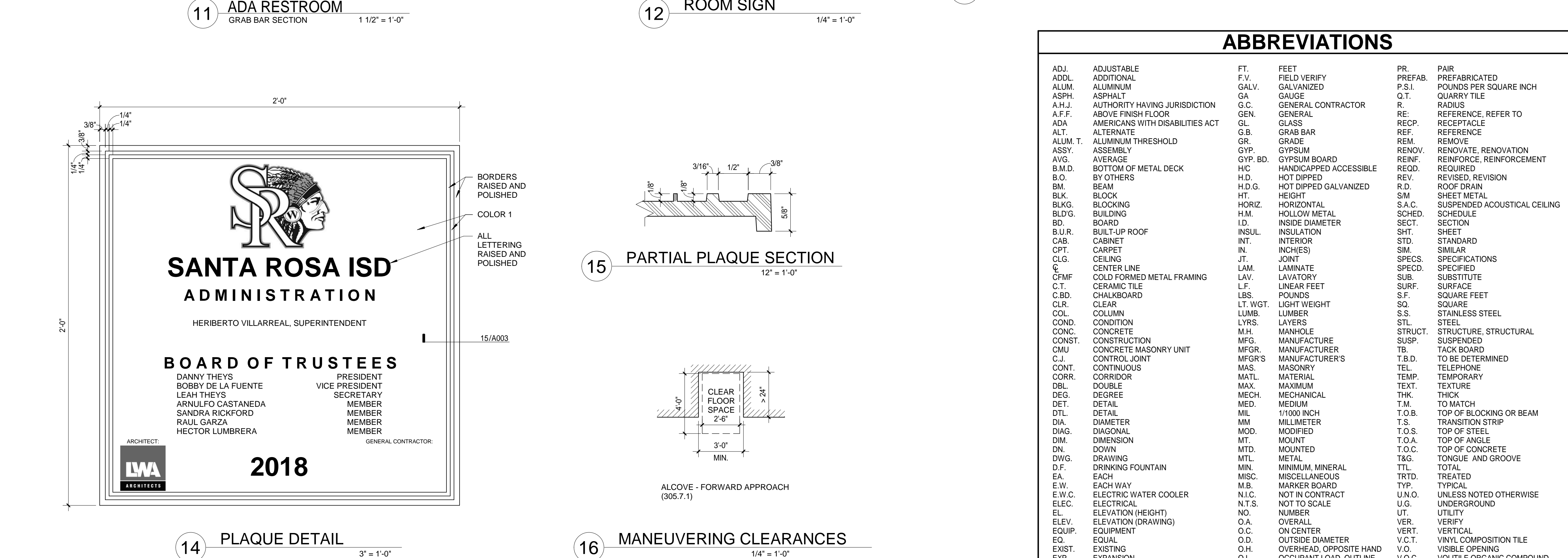
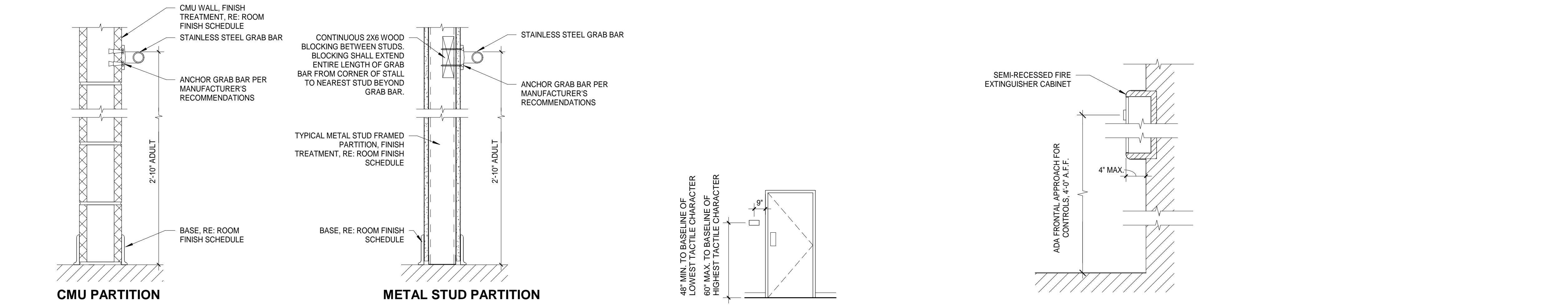
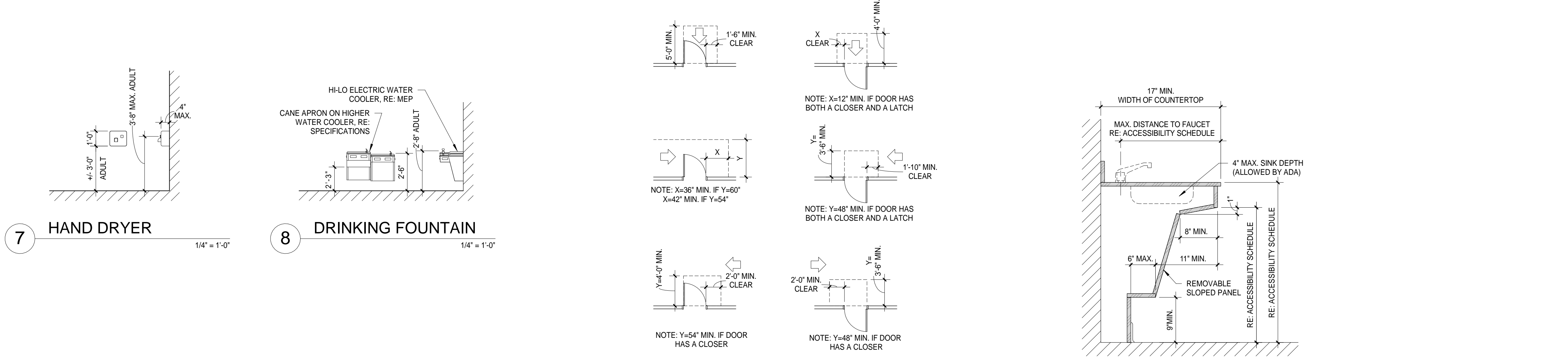
2 ADA RESTROOM FRONT ELEVATION 1/4" = 1'-0"

3 ADA RESTROOM SIDE ELEVATION 1/4" = 1'-0"

4 ADA RESTROOM URINAL FRONT ELEVATION 1/4" = 1'-0"

5 URINAL PARTITION ELEVATION 1/4" = 1'-0"

6 TYPICAL LAVATORY AND MIRROR 1/4" = 1'-0"



ACCESSIBILITY SCHEDULE - 2012 TAS					
	CHILDREN AGES: 3 & 4 +/- GRADES PRE-K	CHILDREN AGES: 5 THROUGH 8 +/- GRADES K - 3RD	CHILDREN AGES: 9 THROUGH 12 +/- GRADES 4TH - 7TH	CHILDREN AGES: 13 THROUGH ADULT +/- GRADES 8TH - 12TH	MIXED ELEM/ADULT AGES: 3 THROUGH ADULT GRADES K-12 OR K-ADULT
REACH RANGES: CHILDREN'S FORWARD OR SIDE FORWARD UNOBSTRUCTED (REACH DEPTH 20" MAX.) FORWARD OBSTRUCTED (REACH DEPTH 20" TO 25" MAX.) SIDE UNOBSTRUCTED (RE: EXCEPTIONS 308.3.1) SIDE OBSTRUCTED (HT: 34" MAX. x D: 10" MAX.) (RE: EXCEPTIONS 308.3.2)	NOT USED	NOT USED	NOT USED	HIGH (MAX.) 48" LOW (MIN.) 15" HIGH (MAX.) 44" HIGH (MAX.) 48" LOW (MIN.) 15" HIGH (MAX.) 48" HIGH (MAX.) 46"	NOT USED
RAMP AND STAIRS: TOP OF HANDRAIL GRIPPING SURFACE	28" MAX.	28" MAX.	28" MAX.	34" - 38"	TWO SETS AT 28" MAX. 34" - 38" HT. (9" MIN. CLEARANCE BETWEEN)
DRINKING FOUNTAINS & WATERCOOLERS: SEATED PERSON: SPOUT HEIGHT (TO OUTLET) STANDING PERSON: SPOUT HEIGHT (TO OUTLET) KNEE CLEARANCE TOE CLEARANCE (AND DEPTH KNEE)	30" MAX. 27" MIN.	30" MAX. 32" MIN.	30" MAX. 32"	36" MAX. 38" (MIN.) TO 43" (MAX.) BETWEEN 27" AND 9" AFF 25" DEPTH MAX AT 9" AFF	
WATER CLOSETS: W.C. CENTERLINE FROM TOILET SEAT HEIGHT (TOP OF) GRAB BAR HEIGHT (TOP OF GRIPPING SURFACE) DISPENSER HEIGHT (OUTLET) TOE CLEARANCE (AT TOILET PARTITION)	12" (17" TO 19" AMBULATORY) 11" TO 12" 18" TO 20" 14" 36" MAX.	12" TO 15" (17" TO 19" AMBULATORY) 12" TO 15" 20" TO 25" 14" TO 17" 36" MAX.	15" TO 18" (17" TO 19" AMBULATORY) 15" TO 17" 25" TO 27" 17" TO 19" 36" MAX.	16" TO 18" (17" TO 19" AMBULATORY) 17" TO 19" 33" TO 36" 15" MIN. TO 48" MAX. 9" MIN. HT. 6" MIN. DEPTH	
URINALS: RIM OF BASIN FLUSH CONTROL	17" MAX.	17" MAX.	17" MAX.	17" MAX.	
LAVATORIES AND SINKS: RIM OR COUNTER SURFACE KNEE CLEARANCE TO FACETS FROM FRONT EDGE		31" MAX. (6Y - 12Y) 24" MIN. (6Y - 12Y)	31" MAX. 24" MIN.	34" MAX. 27" MIN.	
MIRRORS: BOTTOM EDGE OF REFLECTING SURFACE (NOT ABOVE LAVATORIES OR COUNTERS) FULL LENGTH MIRROR (TOP EDGE)				40" MAX. 35" MAX. 14" MIN.	
SHELVES:				40" MIN. / 48" MAX.	
SHOWER STALLS: TOP OF SEAT GRAB BARS CONTROLS, FAUCETS AND SPRAY UNIT	11" TO 12" 18" TO 20"	12" TO 15" 20" TO 25"	15" TO 17" 25" TO 27"	17" TO 19" 33" MIN. / 38" MAX. 38" MIN. / 48" MAX.	
FIXED OR BUILT-IN COUNTER AND TABLES AT DINING AREAS, WORK SURFACES AT SERVICE COUNTERS (WITHOUT SINK): KITCHEN WORK SURFACE HEIGHT OF DINING WORK SURFACES	28" TO 30"	26" TO 30"	26" TO 30"	28" TO 34" 34" MAX. (ADJUSTABLE COUNTER) 29" - 36"	
KNEE CLEARANCE SERVICE COUNTERS - RE: TAS SECTION 904 TRAY SLIDES	24" MIN.	24" MIN.	24" MIN.	27" MIN. 28" TO 34"	
BENCH SEAT HEIGHT:				17" TO 19"	
SIGNS: TACTILE CHARACTER HEIGHT ABOVE FLOOR				48" MIN. (BASELINE OF LOWEST CHARACTER) 60" MAX. (BASELINE OF HIGHEST CHARACTER)	

NOTE: ALL DOOR HARDWARE SHALL COMPLY WITH THE FOLLOWING:

THRESHOLDS: THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT.

DOOR HARDWARE: HANDLES, LATCHES, PULLS, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.

DOOR CLOSERS: IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES THE DOOR WILL TAKE 5 SECONDS MINIMUM TO MOVE TO A POSITION OF 12 DEGREES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

DOOR OPENING FORCE: THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
EXTERIOR HINGED DOORS: (RESERVED)
INTERIOR HINGED DOORS: 5 LBF. (22.2N)
SLIDING OR FOLDING DOORS: 5 LBF. (22.2N)

MATERIALS, KEYS, TAGS AND SYMBOLS

ANNOTATION SYMBOLS

SECTION NUMBER SHEET NUMBER

SECTION NUMBER SHEET NUMBER

DETAIL NUMBER SHEET NUMBER

EXTERIOR ELEVATION NUMBER SHEET NUMBER

INTERIOR ELEVATION NUMBER SHEET NUMBER

PARTITION TYPE

DOOR TAG

EXPANSION JOINT TAG

DEMOLITION TAG

WINDOW TAG

ELEVATION DATUM

INTERIOR ELEVATIONS

ACOUSTICAL PANELS AND BAFFLES

2X2 SUSPENDED ACOUSTICAL CEILING SYSTEM, RE: MEP FOR LIGHTING

PREFINISHED GALVANIZED METAL SOFFIT

LIGHT FIXTURE, RE: MEP

FLOOR PLAN

CMU AND FACE BRICK EXTERIOR WALL

CMU WALL, RE: PARTITION SCHEDULE AND WALL SECTIONS FOR BLOCK SIZE

INDICATES FLOOR TRANSITION, RE: SHEET A400 AND ROOM FINISH SCHEDULE

NEW DOOR, RE: DOOR SCHEDULE

NEW WINDOW, RE: WINDOW SCHEDULE

CMU COLUMN WRAP

SITE SYMBOLS

CONCRETE WALK OR RAMP

STRUCTURAL CONCRETE LANDING

LINE TYPES

CONSTRUCTION FENCE

WATER LINE

OVERHEAD LINES

TEMPORARY FENCE

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711 N. Carancahua, Suite 404
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REGISTERED ARCHITECT

STATE OF TEXAS

07-11-2018

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SANTA ROSA INDEPENDENT SCHOOL DISTRICT

SANTA ROSA, TEXAS

KEYPLAN

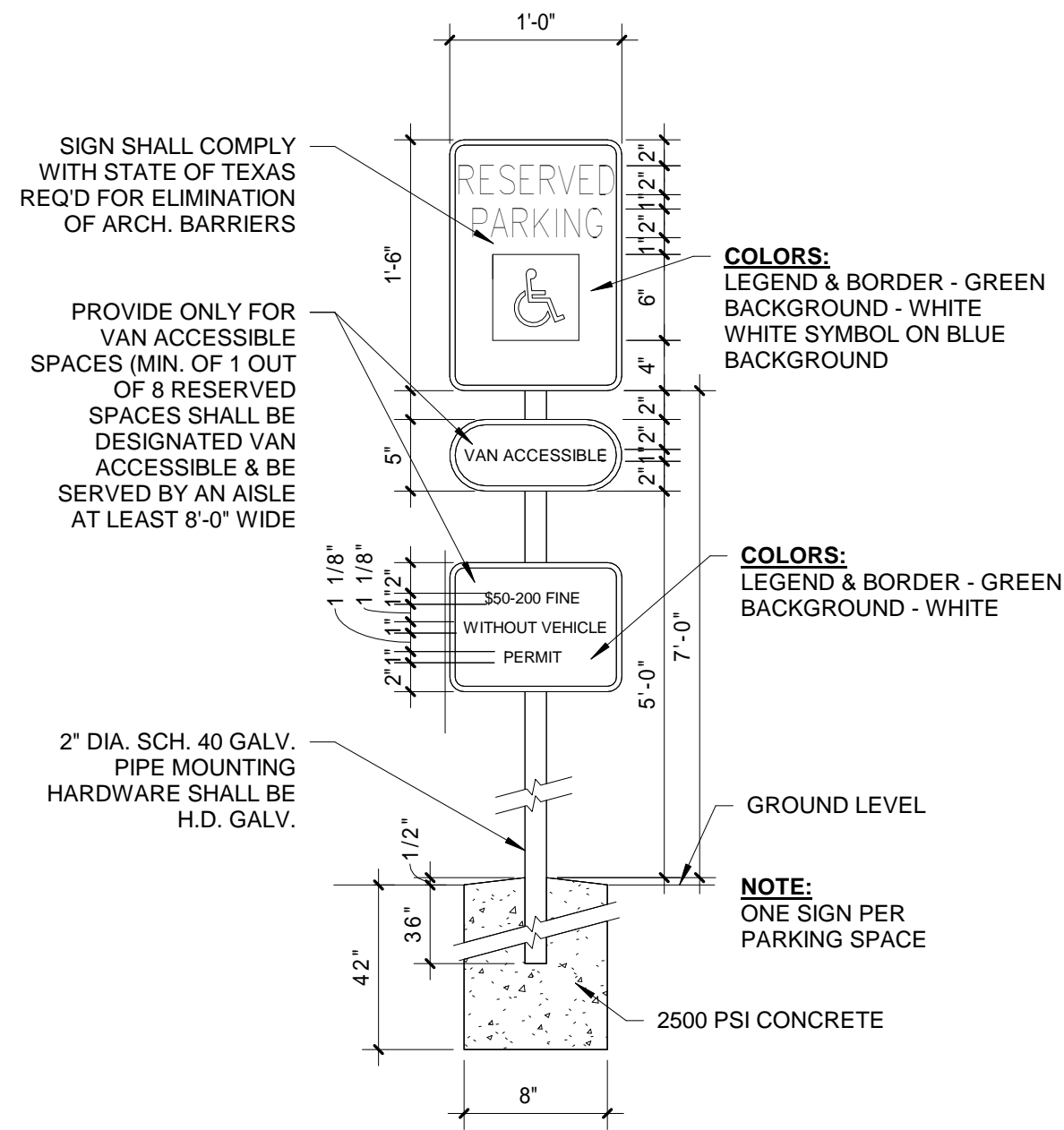
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7/11/2018 2:18:03 PM

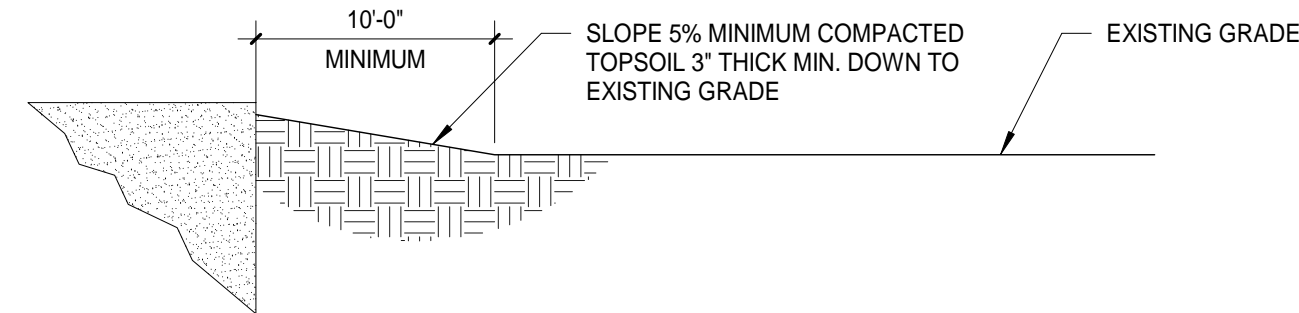
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1 SITE PLAN
1/16" = 1'-0"



2 ADA PARKING SIGN
1" = 1'-0"



3 GRADE DETAIL
1/8" = 1'-0"

SITE PLAN GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL APPROPRIATE UTILITY COMPANIES 48 HOURS PRIOR TO ACTUAL CONSTRUCTION WORK FOR THE LOCATION OF ANY EXISTING UTILITIES
- REFER TO SHEET A002 FOR ADDITIONAL INFORMATION
- CONTRACTOR SHALL COORDINATE WORK, DIMENSIONS, AND ETC. WITH MEP DRAWINGS AND THE ARCHITECT.
- FINISH FLOOR ON THE EXISTING ADMINISTRATION BUILDING IS 100'-0" ARCHITECTURAL
- CONSTRUCTION SITE SHALL BE FENCED AND FULLY SECURED THROUGHOUT THE CONSTRUCTION PROCESS. CONTRACTOR SHALL REMOVE FENCE UPON COMPLETION OF THE PROJECT AND RETURN THE LANDSCAPING/GRADES BACK TO THEIR ORIGINAL CONDITION AS DETERMINED BY THE ARCHITECT.
- WHEN CONSTRUCTION IS COMPLETE, REMOVE ALL CONSTRUCTION RELATED DEBRIS (i.e. CONCRETE, STEEL, WOOD), REGRADE AND RAKE SMOOTH EXISTING AREAS.

SITE PLAN KEYED NOTES

- EXISTING STREETS/DRIVEWAYS AND CURBS TO REMAIN AND BE PROTECTED
- EXISTING TREE TO REMAIN AND BE PROTECTED, KEEP HEAVY EQUIPMENT AWAY FROM THE DRIP LINE OF THE TREE
- INSTALL (2) 4" CAPPED PVC SLEEVES AS INDICATED, PROPERLY MARK AND DOCUMENT FOR FUTURE
- SLOPE 5% MINIMUM COMPACTED TOPSOIL 3" THICK MINIMUM DOWN TO EXISTING GRADE 10' FROM BUILDING MINIMUM, RE: 3/A100.
- INTERNATIONAL SYMBOL PARKING SIGN, 2' INTO GROUND WITH 16" DIAMETER CONCRETE FOOTING. RE: 2/A100. SIGN TO BE LOCATED 7'-0" A.F.G.
- PROTECT EXISTING FIRE HYDRANT TO REMAIN.
- EXISTING TAS ACCESSIBILITY PARKING AND SIDE ACCESS TO REMAIN.
- EXISTING PARKING STALLS AND TIRE STOPS TO REMAIN AND BE PROTECTED.
- EXISTING MECHANICAL EQUIPMENT AND FENCING TO REMAIN AND BE PROTECTED. SEE MEP FOR MECHANICAL EQUIPMENT DIRECTION.
- EXISTING DOORS AND DOOR CANOPIES TO REMAIN AND BE PROTECTED.
- EXISTING CONCRETE WALKS TO REMAIN AND BE PROTECTED.
- EXISTING FENCE, SLIDING GATE AND HINGED GATE TO REMAIN AND BE PROTECTED
- EXISTING POWER POLES TO REMAIN AND BE PROTECTED
- EXISTING FLAG POLE TO REMAIN AND BE PROTECTED
- PROTECT EXISTING SCHOOL BUILDINGS.
- PROTECT EXISTING FABRIC CANOPY.
- PROTECT EXISTING AREA GRATES, DRAINS, CULVERTS AND DITCHES.
- SEE MEP FOR EXISTING ROOFTOP HVAC EQUIPMENT.
- CONTRACTOR TO VERIFY EXACT LOCATIONS OF EXISTING ROOF LEAKS WITH ARCHITECT AND OWNER. REPAIR LEAKS AS RECOMMENDED BY MANUFACTURER OF EXISTING ROOF SYSTEM.
- EXISTING FIRE HOSE CONNECTION TO REMAIN AND BE PROTECTED.
- ALUMINUM WINDOW CANOPY, RE: SPECIFICATIONS AND DETAILS.
- CONCRETE SPLASH BLOCK, RE: 4/A200.
- SIDEWALK DRAIN, RE: 5/A200.

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 07/11/2018
DWG BY: JC
CKD BY: ARS
JOB NO: 1706

REVISION:
SHEET NUMBER

A100
SITE PLAN

SET NO.



American Bank Plaza
711 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
www.lwarchitects.com

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ROOM NAMES - LEVEL 1 - AREA A	
NO.	NAME
A101	ENTRANCE LOBBY
A102	RECEPTION
A103	BUSINESS OFFICE
A104	STORAGE
A106	CFO
A107	CORRIDOR
A107A	CORRIDOR
A108	OFFICE
A109	STORAGE
A110	SECRETARY
A111	ELECTRICAL
A112	CORRIDOR
A113	OFFICE
A114	TEACHER'S LOUNGE
A115	WOMEN'S RESTROOM
A116	MEN'S RESTROOM
A117	SHIPPING & RECEIVING
A118	CORRIDOR
A119	OFFICE
A120	CORRIDOR
A121	BOYS' RESTROOM
A122	CUSTODIAN
A123	GIRL'S RESTROOM
A124	CORRIDOR
A125	CLASSROOM
A126	STORAGE
A127	CLASSROOM
A128	CORRIDOR
A129	CORRIDOR
A130	SECRETARY
A131	SUPERINTENDENT
A132	STORAGE
A133	RESTROOM
A134	IDF ROOM
A135	BOARDROOM
A136	EXECUTIVE SESSION
A137	RECORDS
A138	CORRIDOR

- ### DEMOLITION PLAN GENERAL NOTES
- A. GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND INSURE ALL DEMOLITION WORK IS COMPLETED IN A TIMELY MANNER AND ACCORDING TO THE PROJECT SCHEDULE. GENERAL CONTRACTOR SHALL INSURE THAT THERE IS NO DISRUPTION TO THE EXISTING FACILITIES WHICH ARE TO REMAIN IN PLACE AND OPERATIONAL.
- B. GENERAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO INSPECT EXISTING CONDITIONS WITH REGARD TO THE SCOPE OF THE WORK. SUBMISSION OF A PROPOSAL SHALL BE CONSIDERED AN ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE PROJECT SITE AND HAS VERIFIED ALL EXISTING CONDITIONS WITH REGARD TO THE SCOPE OF THE WORK.
- C. EXISTING BUILDINGS UTILITIES, SITE IMPROVEMENTS, PAVING, WALKS, CANOPIES, TREES, GRASS, ETC. INDICATED TO REMAIN SHALL BE PROTECTED AT ALL TIMES. DO NOT ALLOW NON-RUBBER Tired EQUIPMENT TO WORK IN THESE AREAS.
- D. EXISTING BUILDINGS, STREETS UTILITIES, SITE IMPROVEMENTS, PAVING, CURBS, WALKS, CANOPIES, TREES, GRASS, ETC. WHICH ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE REMOVED, REPAIRED AND/OR REPLACED TO A LIKE NEW CONDITION AS DIRECTED BY THE ARCHITECT AT NO COST TO THE OWNER. THE ARCHITECT SHALL BE THE SOLE JUDGE AS TO THE EXTENTS, LIMITS, DETAILS AND REQUIREMENTS OF ALL REPAIRS AND/OR REPLACEMENTS BY THE GENERAL CONTRACTOR.
- E. GENERAL CONTRACTOR SHALL LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS, EXCESS SOIL, EXTRA MATERIALS AND ALL DEMOLISHED MATERIALS/ITEMS.
- F. GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION VEHICLE'S WEIGHT LIMITS AND TRAVEL PATH TO APPROVED DUMP SITE WITH THE OWNER AND THE CITY OF SANTA ROSA AND INSURE THAT VEHICLES DO NOT UTILIZE UNAPPROVED DUMP SITES OR PATHS OF TRAVEL. GENERAL CONTRACTOR WILL BE HELD FULLY RESPONSIBLE FOR ANY ILLEGAL DUMPING, CLEAN UP AND/OR DAMAGE CAUSED BY UNAPPROVED PATHS OF TRAVEL THROUGHOUT THE DEMOLITION PROCESS.
- G. FOR CIVIL AND SITE UTILITY DEMOLITION REQUIREMENTS AND INFORMATION, GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES/WORK BOTH INDICATED AND REQUIRED TO COMPLETE THE NEW WORK.
- H. REFER TO MEP DOCUMENTS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES/WORK BOTH INDICATED AND REQUIRED TO COMPLETE THE NEW WORK.

- ### GENERAL UTILITY NOTES
- A. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE AND NOTIFY ALL APPROPRIATE UTILITY COMPANIES PRIOR TO BEGINNING/PERFORMING ANY WORK AND SHALL COORDINATE ALL UTILITY DISCONNECTS AND ASSOCIATED SERVICE INTERRUPTIONS WITH THE ARCHITECT AND OWNER.
- B. SOME EXISTING UTILITY LINES ARE SHOWN FOR INFORMATION ONLY. THE GENERAL CONTRACTOR SHALL, PRIOR TO BIDDING, FIELD VERIFY ALL EXISTING UTILITY LINES, SERVICES, MAINS, ETC. WHICH SERVE THE SITE AND FACILITIES AS WELL AS ANY UTILITIES WHICH ARE TO REMAIN IN PLACE AND IN USE.
- ### GENERAL ELECTRICAL NOTES
- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE PROJECT PRIOR TO BIDDING AND PRIOR TO COMMENCING ANY PORTION OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- B. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE OR REINSTALL ALL ITEMS REQUIRED TO ACCOMPLISH AND COMPLETE THE REQUIRED DEMOLITION AND NEW WORK.
- C. COORDINATE REMOVAL OF SPECIFIC SYSTEMS COMPONENTS WITH THE ARCHITECT/OWNER. VERIFY THAT ALL ITEMS BEING REMOVED ARE NO LONGER IN USE OR SERVICE. PROVIDE OWNER WITH 48 HOURS ADVANCE NOTICE FOR REMOVAL OR DISRUPTION OF EXISTING IN USE ITEMS OR SERVICES.

- ### DEMOLITION KEYED NOTES
- 1 REMOVE EXISTING DOOR, DOOR HARDWARE, DOOR FRAME AND DISPOSE OF LEGALLY
- 2 REMOVE EXISTING UPPER SHEETROCK MATERIAL AND DISPOSE OF LEGALLY
- 3 REMOVE EXISTING DRYWALL AND WOOD FRAMING OVER EXISTING WINDOW AND DISPOSE OF LEGALLY
- 4 REMOVE EXISTING PLYWOOD AND WOOD FRAMING IN MIDDLE OF CONFERENCE ROOM AND DISPOSE OF LEGALLY
- 5 REMOVE PVC CONDUIT DRAIN IN MEN'S RESTROOM FROM SINK DRAIN TO URINAL AND DISPOSE OF LEGALLY. FIX SINK DRAIN, REFER TO PLUMBING
- 6 REMOVE EXISTING EXTERIOR HOLLOW METAL DOORS, HARDWARE AND DISPOSE OF LEGALLY
- 7 SCHOOL DISTRICT TO REMOVE ALL VCT FLOORING AND DISPOSE OF LEGALLY
- 8 SCHOOL DISTRICT TO REMOVE ALL CEILING TILE AND CEILING GRID AND DISPOSE OF LEGALLY
- 9 SCHOOL DISTRICT TO REMOVE ALL EXISTING GYPSUM BOARD AND DISPOSE OF LEGALLY
- 10 SCHOOL DISTRICT TO REMOVE ALL WOOD DOORS, HARDWARE AND ALUMINUM FRAMES AND DISPOSE OF LEGALLY
- 11 REMOVE EXISTING ALUMINUM WINDOW AND DISPOSE OF LEGALLY
- 12 REMOVE EXISTING TOILET PARTITIONS AND DISPOSE OF LEGALLY
- 13 REMOVE EXISTING PLUMBING FIXTURES AND DISPOSE OF LEGALLY
- 14 REMOVE EXISTING ELECTRIC HAND DRYER AND DISPOSE OF LEGALLY
- 15 REMOVE EXISTING WALL STUDS, DRYWALL, DOORS, HARDWARE AND FRAMES AND DISPOSE OF LEGALLY
- 16 SAW-CUT AND REMOVE 4' OF EXISTING CABINET FOR NEW AND LOWER ACCESSIBLE COUNTER, LEGALLY DISPOSE OF DEMOLITION MATERIAL
- 17 REMOVE EXISTING INTERIOR ALUMINUM WINDOW SYSTEM AND DISPOSE OF LEGALLY
- 18 REMOVE EXISTING WINDOW AWNINGS AND DISPOSE OF LEGALLY
- 19 EXISTING DOOR AWNINGS TO REMAIN
- 20 REMOVE EXISTING SHEETROCK CEILING AND DISPOSE OF LEGALLY
- 21 REMOVE EXISTING UPPER CABINETS AND DISPOSE OF LEGALLY
- 22 REMOVE EXISTING DOOR FRAME AND DISPOSE OF LEGALLY

LWA

ARCHITECTS

American Bank Plaza
711 N. Caranchusa, Suite 404
Corpus Christi, Texas 78401

Phone: 361.884.7442
www.lwarchitects.com

REGISTERED ARCHITECT
STATE OF TEXAS
13507
07-11-2018

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 07/11/2018
DWG BY: JC
CKD BY: ARS
JOB NO: 1706

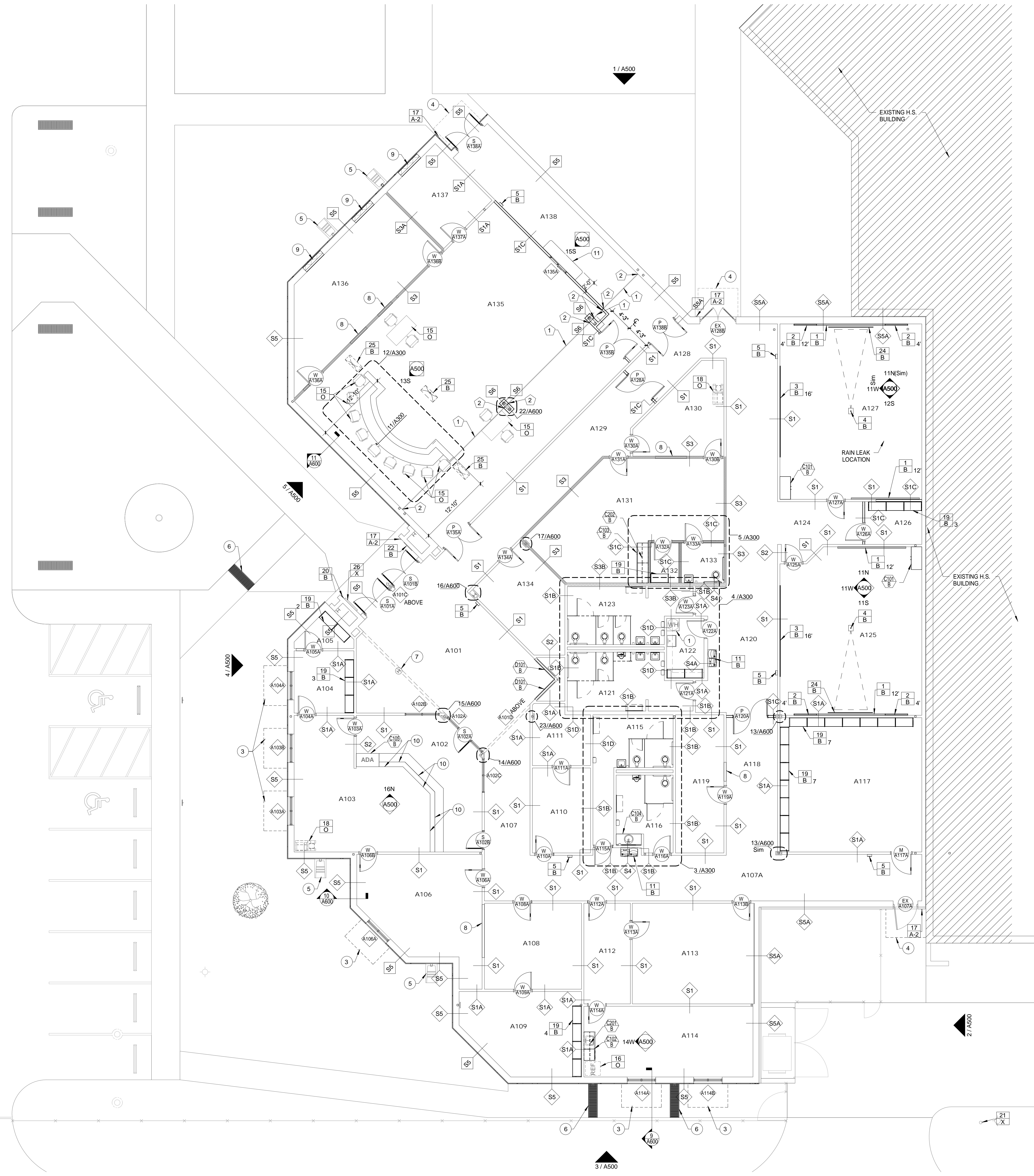
REVISION:
SHEET NUMBER

A101
DEMOLITION PLAN

SET NO.

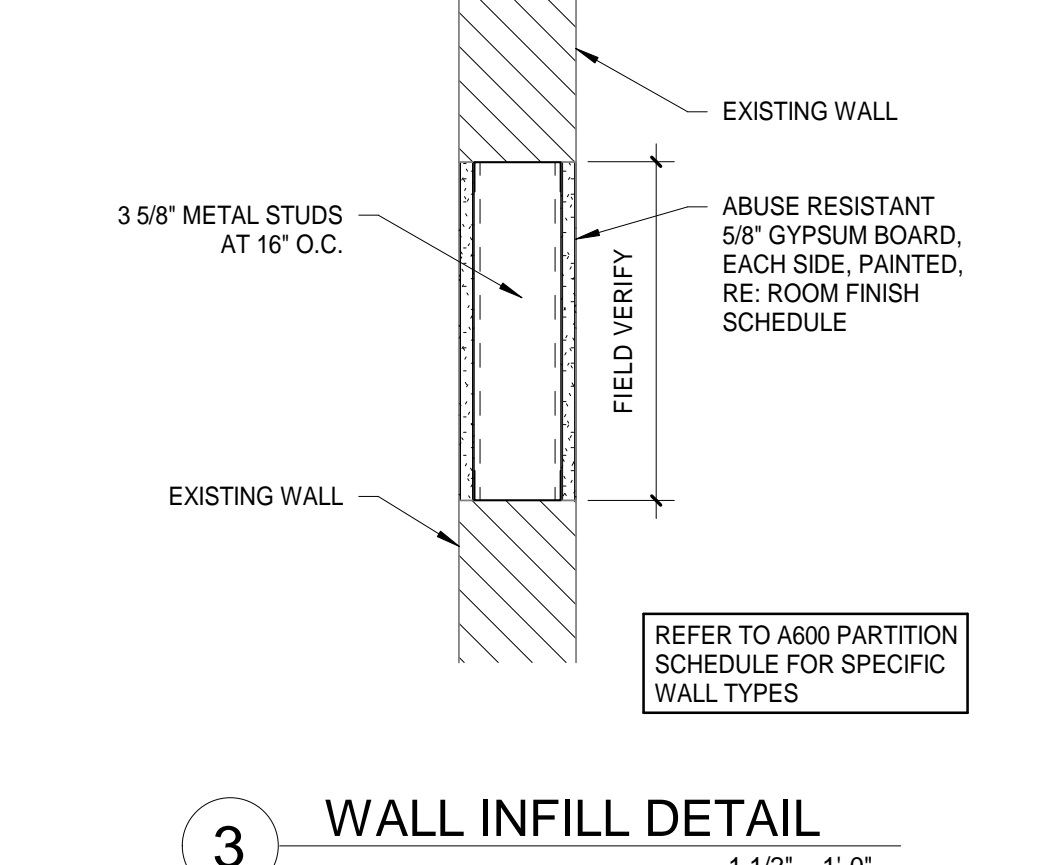
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1 FLOOR / FIXTURE PLAN
AREA A
1/8" = 1'-0"

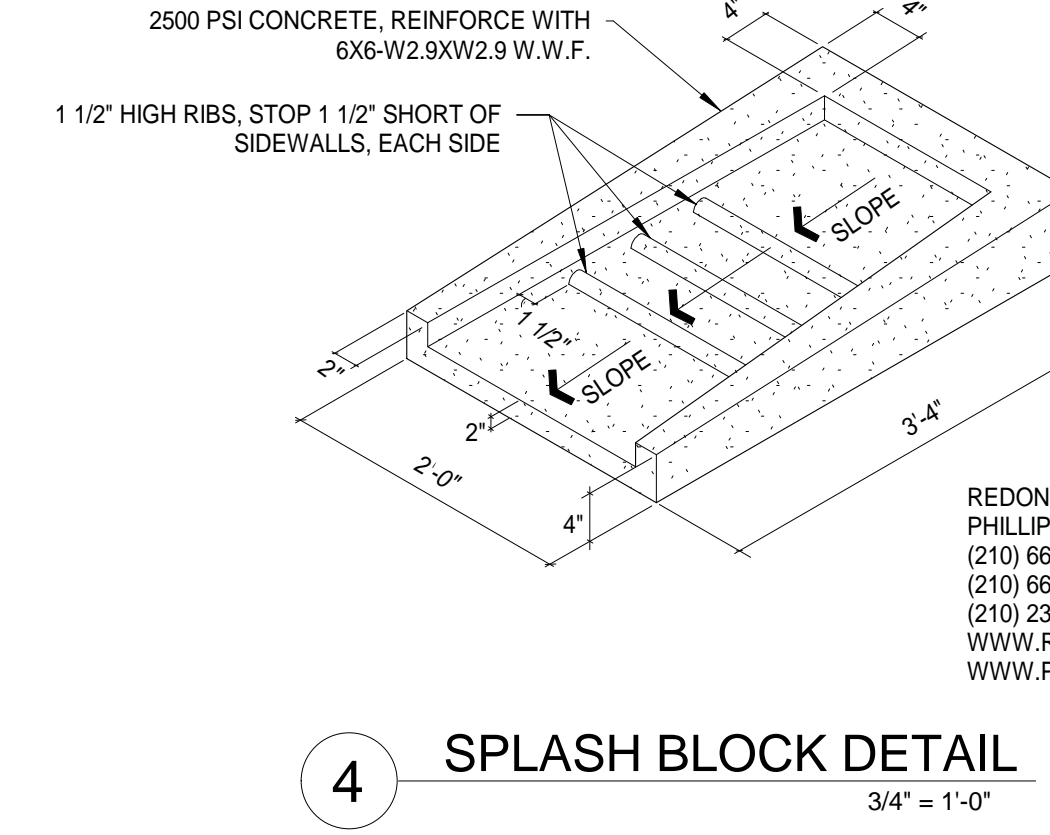
2 EXTERIOR WINDOW OPENING INFILL
1/2" = 1'-0"



3 WALL INFILL DETAIL
1 1/2" = 1'-0"

NOT ALL FIXTURES OR EQUIPMENT MAY BE SHOWN ON THIS SHEET, REFER TO ENLARGED PLANS AND FIXTURE SCHEDULE AND ELEVATIONS FOR ADDITIONAL INFORMATION AND REQUIRED COORDINATION.
REFER TO FIXTURE SCHEDULE ON SHEET A200 / A300 FOR SPECIFIC INFORMATION REGARDING INDICATED FIXTURES.
REFER TO DOOR AND FRAME SCHEDULE, SHEET A400 FOR SPECIFIC INFORMATION REGARDING DOOR AND FRAME TAGS.
REFER TO WINDOW SCHEDULE, SHEET A400 FOR SPECIFIC INFORMATION REGARDING WINDOW TAGS.

ROOM NAMES - LEVEL 1 - AREA A		FIXTURE SCHEDULE	
NO.	NAME		
A101	ENTRANCE LOBBY	1	4H MARKERBOARD MTD. AT 36" A.F.F., RE: PLAN FOR LENGTH
A102	RECEPTION	2	4H TACKBOARD MTD. AT 36" A.F.F., RE: PLAN FOR LENGTH
A103	BUSINESS OFFICE	3	2" TACKSTRIP MOUNTED AT 84" A.F.F., RE: PLAN FOR LENGTH
A104	STORAGE	4	PROJECTOR MOUNT, RE: SPECIFICATIONS
A105	STORAGE	5	FIRE EXTINGUISHER CABINET, RE: SPECIFICATIONS AND 13/A003
A106	CFO	6	18"X36" STAINLESS STEEL FRAMED MIRROR, CENTER MIRROR ON LAVATORIES
A107	CORRIDOR	7	30"X36" STAINLESS STEEL FRAMED MIRROR, CENTER MIRROR ON LAVATORIES
A107A	CORRIDOR	8	STAINLESS STEEL GRAB BARS, RE: SHEET A003 AND SPECIFICATIONS
A108	OFFICE	9	FLOOR MOUNTED OVERHEAD BRACED SOLID PLASTIC PARTITION
A109	STORAGE	10	CHANGING STATION, RE: SPECIFICATIONS
A110	SECRETARY	11	ELECTRIC WATER COOLER, RE: MEP
A111	ELECTRICAL	12	SINK AND MOP RACK, RE: SPECIFICATIONS
A112	CORRIDOR	13	SOAP DISPENSER BY OWNER
A113	OFFICE	14	WATER HEATER, RE: MEP
A114	TEACHER'S LOUNGE	15	LOOSE FURNITURE BY OWNER
A115	WOMEN'S RESTROOM	16	REFRIGERATOR BY OWNER
A116	MEN'S RESTROOM	17	ACCESS CONTROL CARD READER, RE: MEP
A117	SHIPPING & RECEIVING	18	COPIER BY OWNER
A118	CORRIDOR	19	METAL SHELF UNIT 36" W X 18" D X 72" H, RE: SPECIFICATIONS
A119	OFFICE	20	KNOX BOX, RE: SPECIFICATIONS
A120	CORRIDOR	21	EXISTING FIRE HOSE CONNECTION, RE: MEP
A121	BOY'S RESTROOM	22	BUILDING PLAQUE MOUNTED BELOW EXISTING PLAQUE, RE: 14/A003
A122	CUSTODIAN	23	HAND DRYER, RE: SPECIFICATIONS AND 7/A003
A123	GIRL'S RESTROOM	24	7" X 7" MANUAL CEILING MOUNTED PROJECTION SCREEN
A124	CORRIDOR	25	CEILING MOUNTED FLAT SCREEN TV BRACKET, PROVIDE ALL NECESSARY CONNECTIONS, RE: SPECIFICATIONS AND MEP
A125	CLASSROOM	26	EXISTING DIRECTORY TO REMAIN AND BE PROTECTED
A126	STORAGE		
A127	CLASSROOM		
A128	CORRIDOR		
A129	CORRIDOR		
A130	SECRETARY		
A131	SUPERINTENDENT		
A132	STORAGE		
A133	RESTROOM		
A134	IDF ROOM		
A135	BOARDROOM		
A136	EXECUTIVE SESSION		
A137	RECORDS		
A138	CORRIDOR		



4 SPLASH BLOCK DETAIL
3/4" = 1'-0"

ROOM FINISH SCHEDULE LEVEL 1, AREA A									
NO.	ROOM	BASE	FLOOR	WALLS				CEILING	REMARKS
A101	ENTRANCE LOBBY	B1	F1	W1	W1	W1	W1	C2	VARIES
A102	RECEPTION	B1	F3	W1	W1	W1	W1	C1	9'-0"
A103	BUSINESS OFFICE	B1	F3	W1	W1	W1	W1	C1	9'-0"
A104	STORAGE	B1	F1	W4	W4	W4	W4	C1	9'-0"
A105	STORAGE	B1	F2	W4	W4	W4	W4	C1	9'-0"
A106	CFO	B1	F3	W1	W1	W1	W1	C1	9'-0"
A107	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"
A107A	CORRIDOR	B1	F1	W1	W1	W2	W1	C1	9'-0"
A108	OFFICE	B1	F3	W1	W1	W1	W1	C1	9'-0"
A109	STORAGE	B1	F1	W4	W4	W4	W4	C1	9'-0"
A110	SECRETARY	B1	F3	W1	W1	W1	W1	C1	9'-0"
A111	ELECTRICAL	B1	F2	W4	W4	W4	W4	C4	--
A112	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"
A113	OFFICE	B1	F3	W1	W1	W1	W1	C1	9'-0"
A114	TEACHER'S LOUNGE	B1	F1	W1	W1	W1	W1	C1	9'-0"
A115	WOMEN'S RESTROOM	B2	F5	W3	W3	W3	W3	C2	8'-0" D
A116	MEN'S RESTROOM	B2	F5	W3	W3	W3	W3	C2	8'-0" D
A117	SHIPPING & RECEIVING	B1	F1	W1	W1	W2	W1	C1	9'-0"
A118	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"
A119	OFFICE	B1	F3	W1	W1	W1	W1	C1	9'-0"
A120	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"
A121	BOY'S RESTROOM	B2	F5	W3	W3	W3	W3	C2	8'-0" D
A122	CUSTODIAN	B1	F2	W4	W4	W4	W4	C2	9'-0"
A123	GIRL'S RESTROOM	B2	F5	W3	W3	W3	W3	C2	8'-0" D
A124	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"
A125	CLASSROOM	B1	F1	W1	W1	W2	W1	C1	9'-0"
A126	STORAGE	B1	F2	W4	W4	W2	W4	C1	9'-0"
A127	CLASSROOM	B1	F1	W1	W1	W2	W1	C1	9'-0"
A128	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"
A129	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"
A130	SECRETARY	B1	F3	W1	W1	W1	W1	C1	9'-0"
A131	SUPERINTENDENT	B1	F3	W1	W1	W1	W1	C1	9'-0"
A132	STORAGE	B1	F2	W4	W4	W4	W4	C1	9'-0"
A133	RESTROOM	B1	F1	W1	W1	W1	W1	C3	9'-0"
A134	IDF ROOM	B1	F1	W1	W1	W1	W1	C1	9'-0"
A135	BOARDROOM	B1	F4	W1	W1	W1	W1	C1	10'-0"
A136	EXECUTIVE SESSION	B1	F1	W1	W1	W1	W1	C1	9'-0"
A137	RECORDS	B1	F1	W1	W1	W1	W1	C1	9'-0"
A138	CORRIDOR	B1	F1	W1	W1	W1	W1	C1	9'-0"

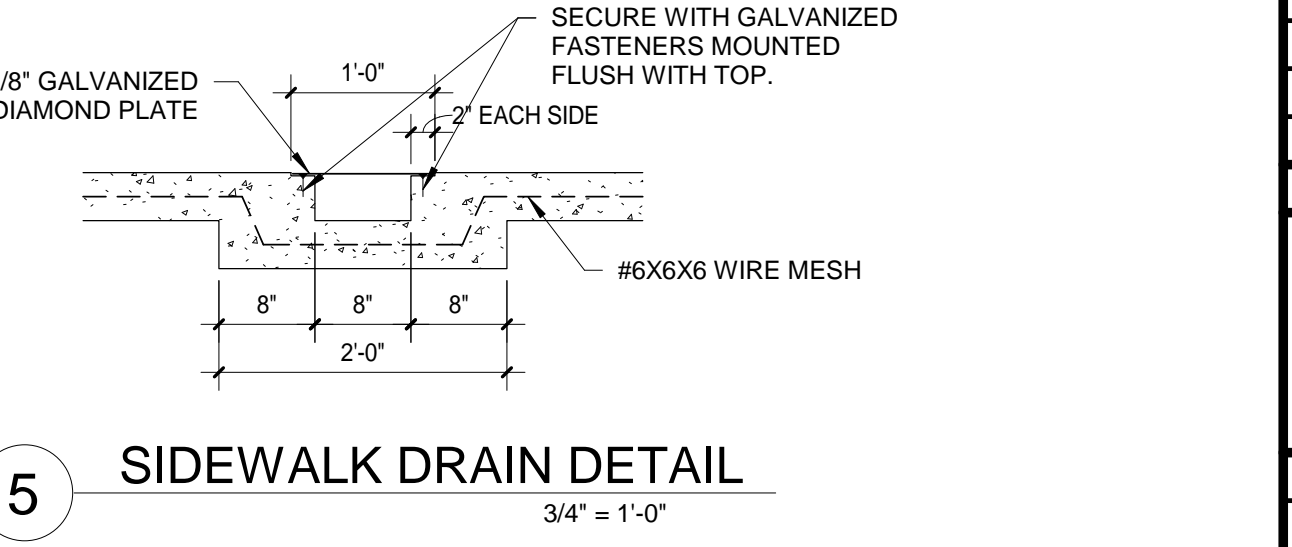
FINISH MATERIALS LIST			
BASE	FLOOR	WALLS	CEILING
B1 RUBBER BASE B2 EXISTING CERAMIC TILE	F1 VCT F2 SEALED CONCRETE F3 CARPET TILE F4 VINYL WOOD TILE F5 EXISTING CERAMIC TILE	W1 ABUSE RESIST. GYP. PAINTED W2 CMU, PAINTED W3 EXISTING CERAMIC TILE W4 GYP. BD. PAINTED	C1 SAC 2'X2', NON-FIRE RATED C2 MOISTURE RESISTANT GYP. BD., PAINTED C3 CERAMAGUARD SAC 2'X2' C4 EXPOSED STRUCTURE, FRAMING, DECK, AND DUCTWORK, PAINTED
REMARKS: A. REFER TO REFLECTED CEILING PLANS, SECTIONS AND DETAILS FOR ACOUSTICAL CEILING TREATMENT B. REFER TO DEMOLITION PLAN FOR EXTENTS OF FLOOR, WALL, AND CEILING DEMOLITION. REFER TO REFLECTED CEILING PLAN FOR NEW SAC LIMITS C. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, CEILINGS (BOTH SIDES) D. EXISTING TILE BASE, FLOORS AND WALLS TO BE PATCHED, REPAIRED AND/OR REPLACED AS NEEDED TO MATCH EXISTING			

FLOOR PLAN GENERAL NOTES

- FINISH FLOOR OF EXISTING BUILDING IS 100'-0" ARCHITECTURAL.
- REFER TO FIXTURE PLAN AND SHEET A300 FOR FIXTURES, FIXTURE SCHEDULE AND ALL ADA FIXTURE LOCATIONS AND DESIGNATIONS. COORDINATE WITH MEP DRAWINGS.
- VERIFY AND COORDINATE EXACT LOCATIONS OF ALL MECHANICAL, ELECTRICAL AND PLUMBING FIXTURES/EQUIPMENT/SERVICES WITH ARCHITECTURAL AND MEP DRAWINGS.
- ALL DIMENSIONS ARE TO FACE OF CMU OR FACE OF WALL UNLESS NOTED OTHERWISE.
- REFER TO A100 SITE PLAN FOR OVERALL BUILDING DIMENSIONS AND WALKWAY/CANOPY DIMENSIONS.
- FOR EXTERIOR AND INTERIOR CONTROL JOINT REQUIREMENTS REFER TO SHEET A600, PLAN DETAILS, ELEVATIONS AND SPECIFICATIONS.
- PROVIDE BULL NOSED CMU AT ALL VERTICAL CMU OUTSIDE CORNERS AND AS SPECIFICALLY DETAILED AND NOTED IN DETAILS.
- REFER TO A100 FOR DOWNSPOTS AND SPLASH BLOCK LOCATIONS. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK/REQUIREMENTS BETWEEN TRADES
- FINISH AND PAINT BEHIND ALL CASEWORK, FIXTURES AND EQUIPMENT.
- INSTALL SPECIFIED FINISH FLOORING SYSTEMS UNDER ALL CASEWORK, FIXTURES AND EQUIPMENT.
- GENERAL CONTRACTOR SHALL COORDINATE LOCATIONS OF, AND PROVIDE ALL REQUIRED SUPPORT(S) OF WALLS, PARTITIONS, CASEWORK, RAILS, FIXTURES AND EQUIPMENT. ALL SHALL BE CONCEALED UNLESS OTHERWISE NOTED OR DETAILED.
- FOR DOOR JAMB TOLERANCES REFER TO SHEET A400. GENERAL CONTRACTOR SHALL COORDINATE THESE TOLERANCES WITH THE REQUIRED ADA DIMENSIONAL CLEARANCES INDICATED ON SHEET A003 DURING THE PARTITION LAYOUT PROCESS. GENERAL CONTRACTOR SHALL DOCUMENT AND SUBMIT OPENING LAYOUT TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- FOR FLOOR THRESHOLD AND TRANSITION TYPES REFER TO A400, ROOM FINISH SCHEDULE AND SPECIFICATIONS. GENERAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.

CONSTRUCTION KEYED NOTES

- 4" HIGH CONCRETE UTILITY PAD.
- ALUMINUM DOORWAY CANOPY ABOVE, RE: SPECIFICATIONS AND ASSOCIATED DETAILS, STRUCTURAL DRAWINGS FOR SUPPORTS AND BRACKETS.
- ALUMINUM WINDOW CANOPY ABOVE, RE: SPECIFICATIONS.
- EXISTING ALUMINUM DOORWAY CANOPY TO REMAIN AND BE PROTECTED.
- CONCRETE SPLASH BLOCKS, RE: 4/A200.
- SAWCUT EXISTING CONCRETE SIDEWALKS. REBUILD AND INSTALL TRENCH DRAIN, RE: 5/A200.
- CLEAN AND PAINT EXISTING COLUMN COVER.
- INFILL OPENING IN WALL, RE: 3/A200.
- INFILL EXTERIOR WINDOW OPENING, RE: 2/A200.
- PROVIDE AND INSTALL NEW PLASTIC LAMINATE COUNTERTOP ON TOP OF EXISTING CASEWORK. FIELD VERIFY LENGTHS OF EXISTING COUNTERTOPS.
- PROVIDE AND INSTALL NEW 2'-0" W X 6'-0" PLASTIC LAMINATE COUNTERTOP AT 2'-10" A.F.F. WITH WALL MOUNTED METAL SUPPORT BRACKETS, WITH BAKED ENAMEL FINISH, REFER TO 15S/A500.



5 SIDEWALK DRAIN DETAIL
3/4" = 1'-0"

American Bank Plaza
711 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
www.lwarchitects.com

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

DATE: 07/11/2018
DWG BY: JC/MW
CKD BY: ARS
JOB NO.: 1706
REVISION:
SHEET NUMBER
A200
FLOOR PLAN &
ROOM FINISH
SCHEDULE
SET NO.

REFLECTED CEILING PLAN KEYED NOTES	
①	2'-0" X 2'-0" ACOUSTICAL TILE CEILING, RE: SPECIFICATIONS
②	2'-0" X 2'-0" CERAMAGUARD TILE CEILING, RE: SPECIFICATIONS
③	MOISTURE RESISTANT GYPSUM BOARD CEILING
④	CEILING MOUNTED TELEVISION, RE: SPECIFICATIONS
⑤	EXPOSED STRUCTURE, PAINTED, TYPICAL
⑥	LIGHT FIXTURE, RE: MEP
⑦	EXTERIOR LIGHT FIXTURE MOUNTED 10'-0" A.F.F. UNLESS OTHERWISE NOTED, RE: MEP
⑧	CLEAN, MAKE ANY REQUIRED REPAIRS AND PAINT EXISTING PLASTER CEILING

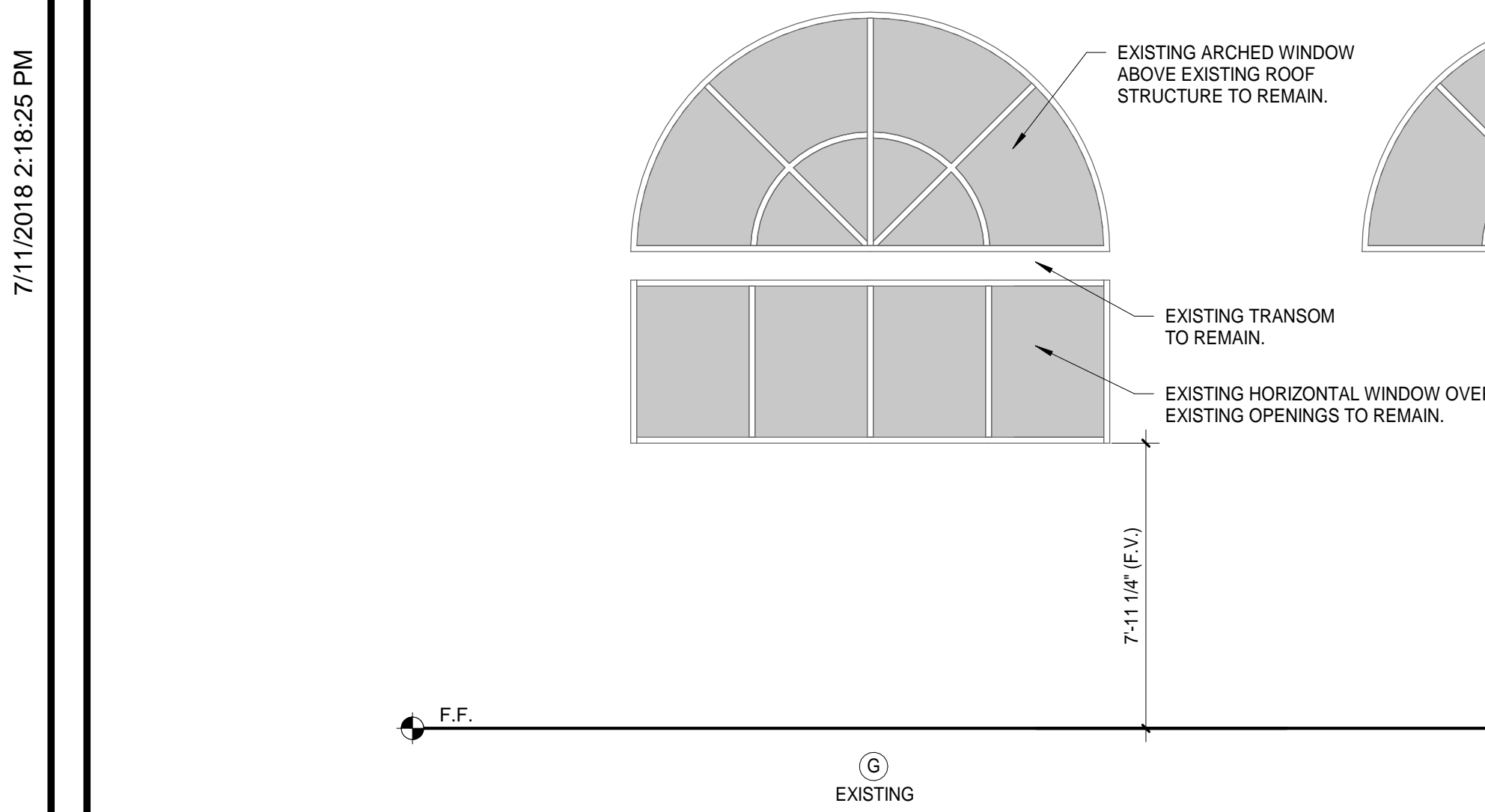


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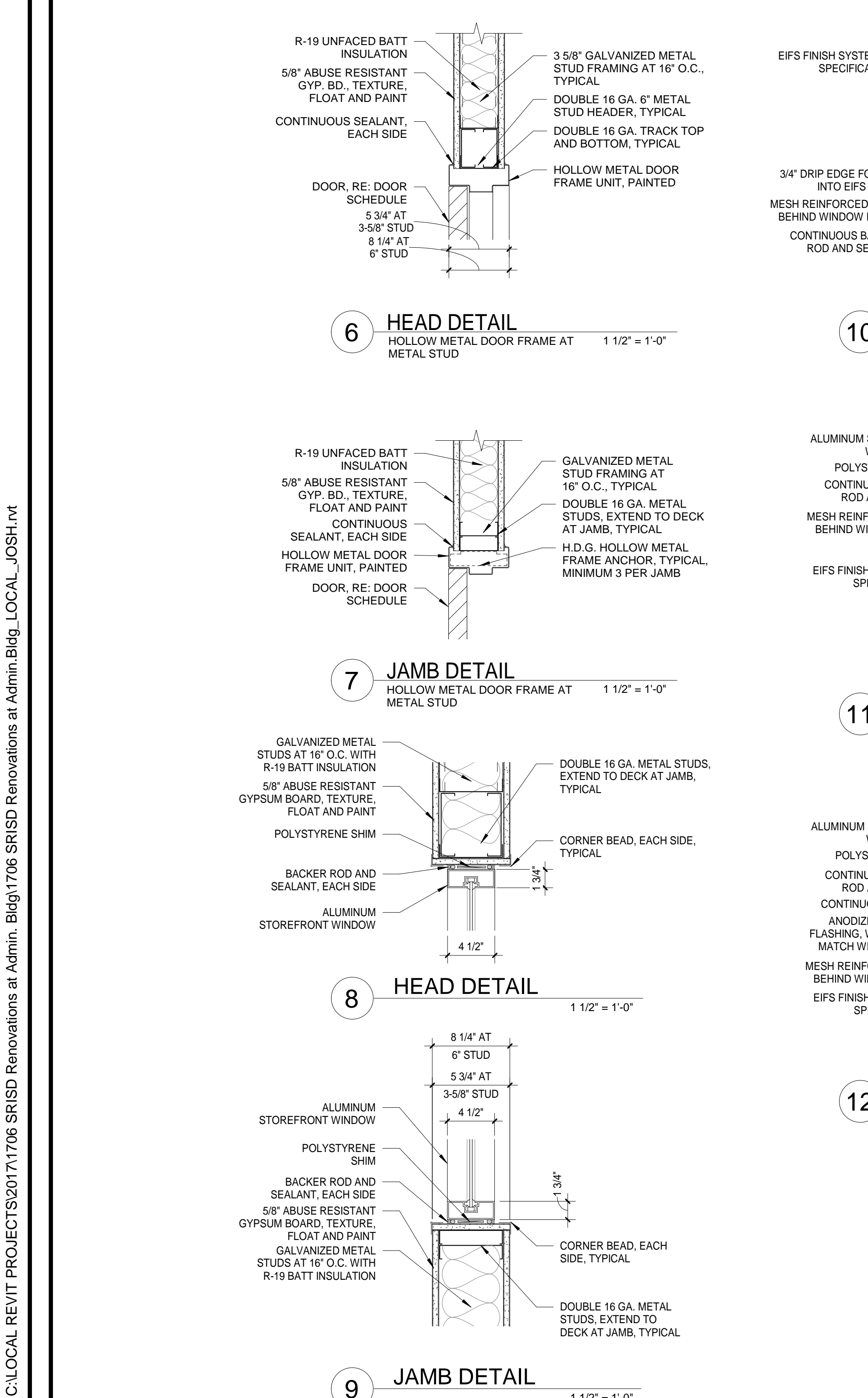
1 HOLLOW METAL DOOR AND WINDOW FRAME TYPES

1/4" = 1'-0"



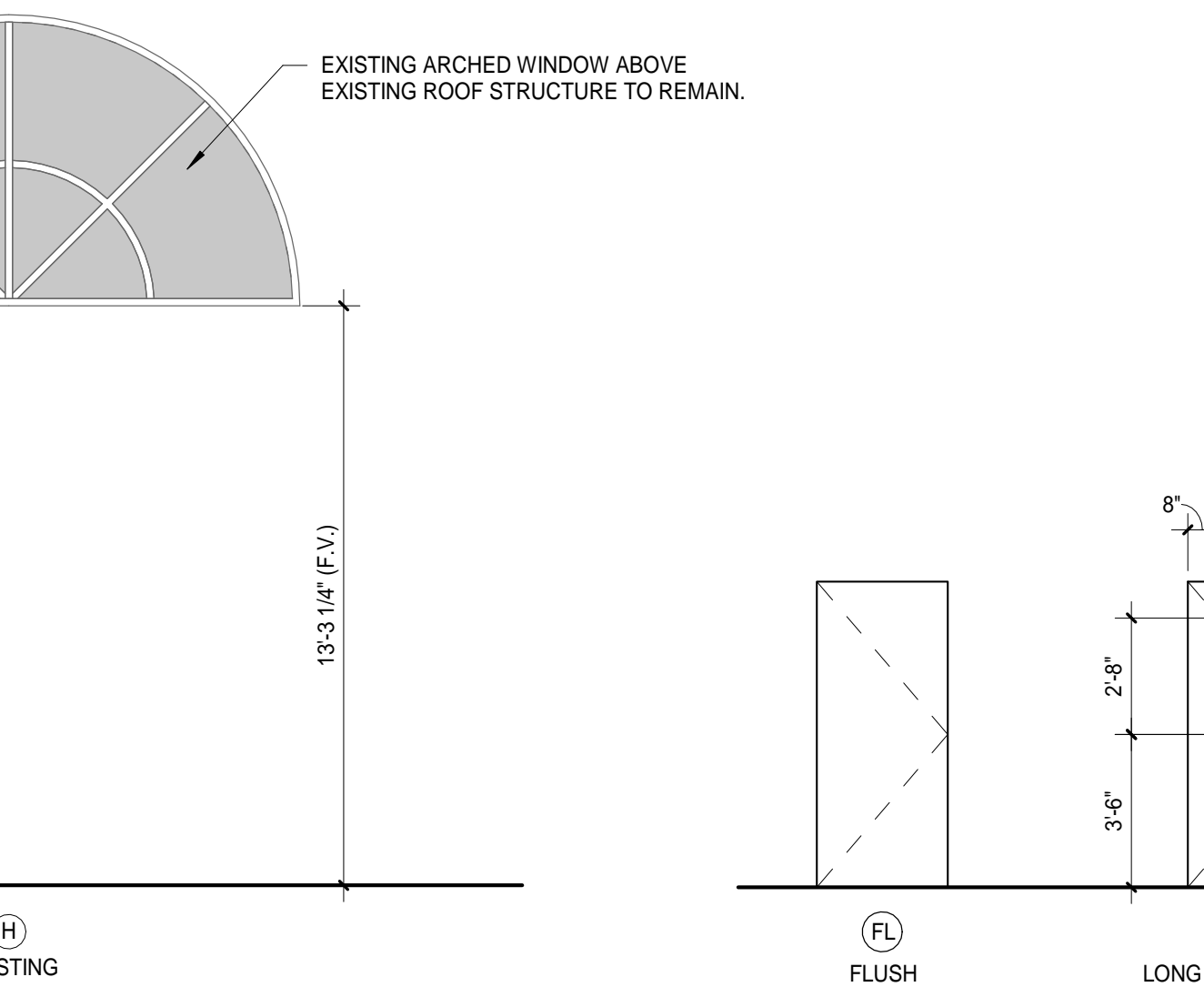
3 ALUMINUM DOOR AND WINDOW FRAME TYPES

1/4" = 1'-0"



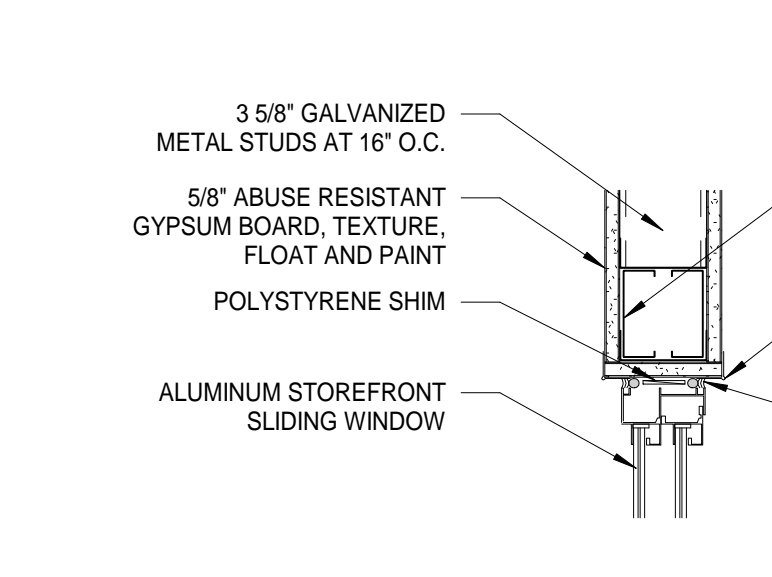
2 ALUMINUM DOOR AND WINDOW FRAME TYPES

1/4" = 1'-0"



4 DOOR ELEVATION TYPES

1/4" = 1'-0"



13 HEAD DETAIL

AT SLIDING WINDOW

1 1/2" = 1'-0"

14 JAMB DETAIL

AT SLIDING WINDOW

1 1/2" = 1'-0"

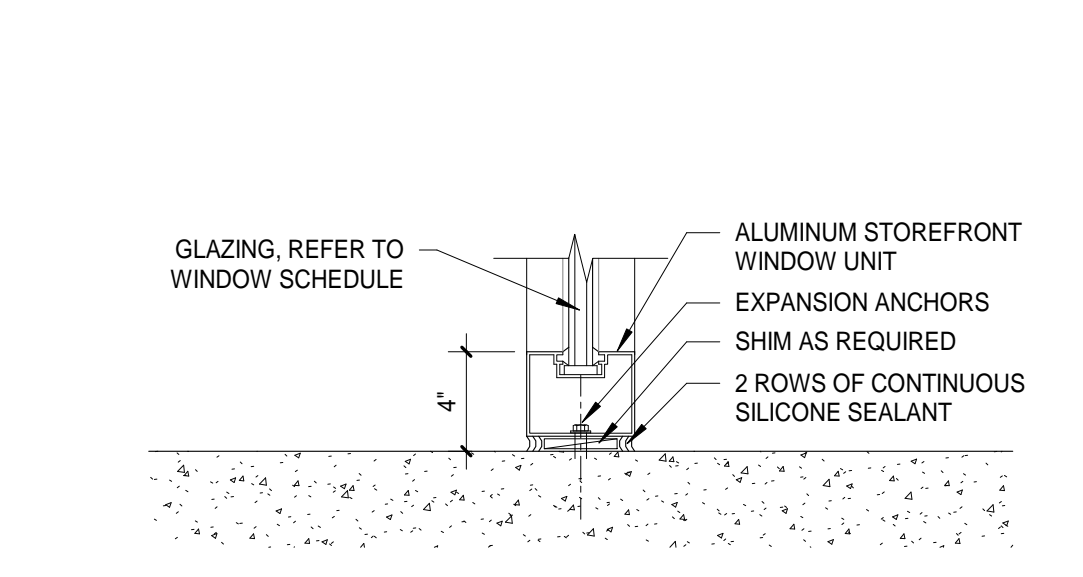
15 SILL DETAIL

AT SLIDING WINDOW

1 1/2" = 1'-0"

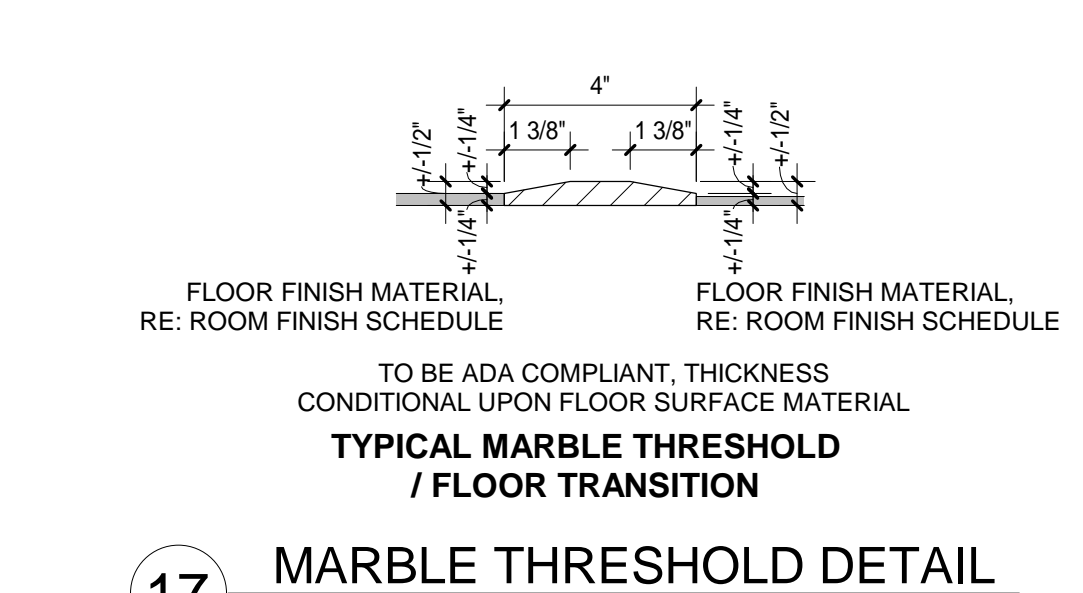
5 STANDARD DOOR JAMB TOLERANCES

1/4" = 1'-0"



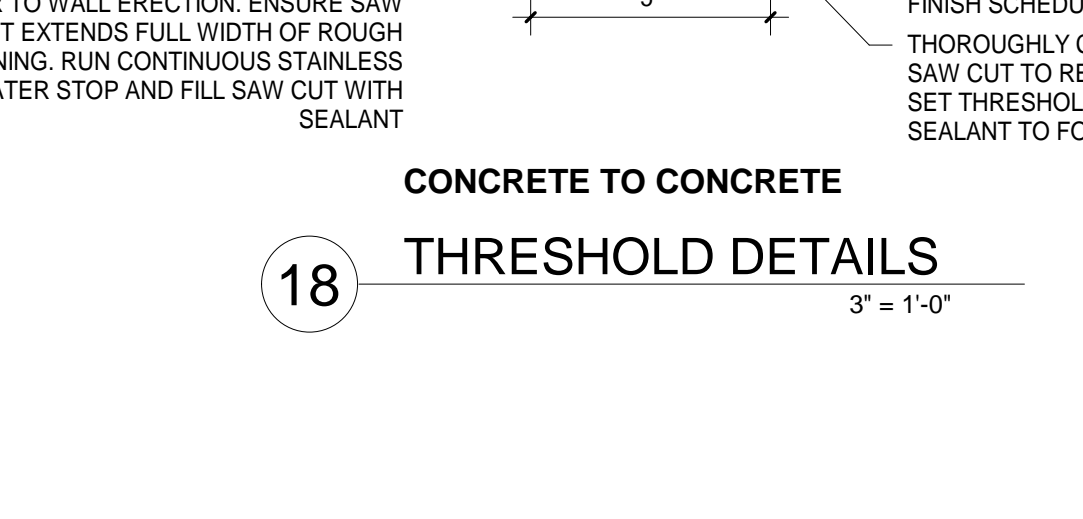
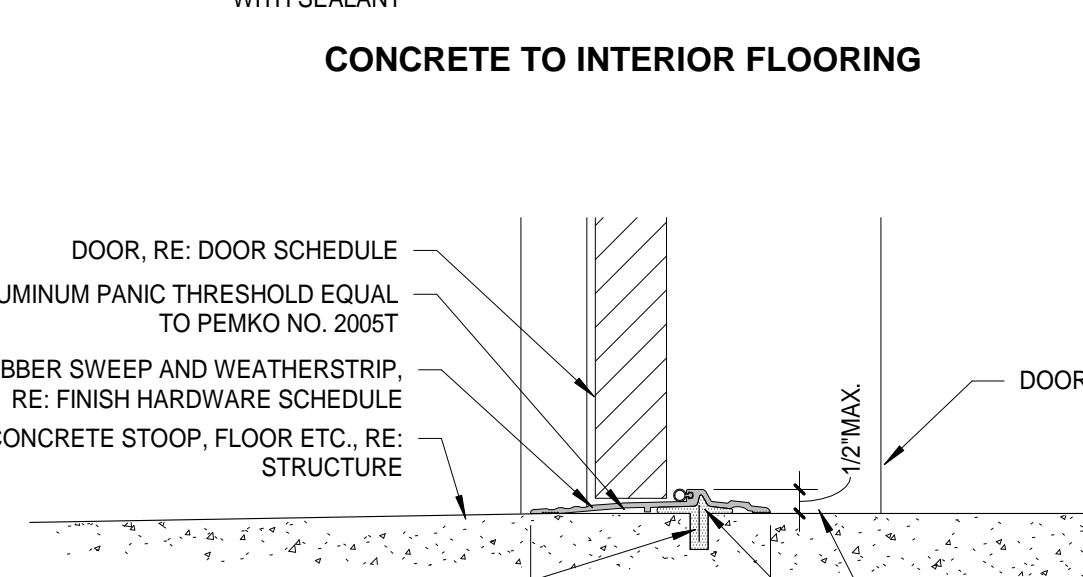
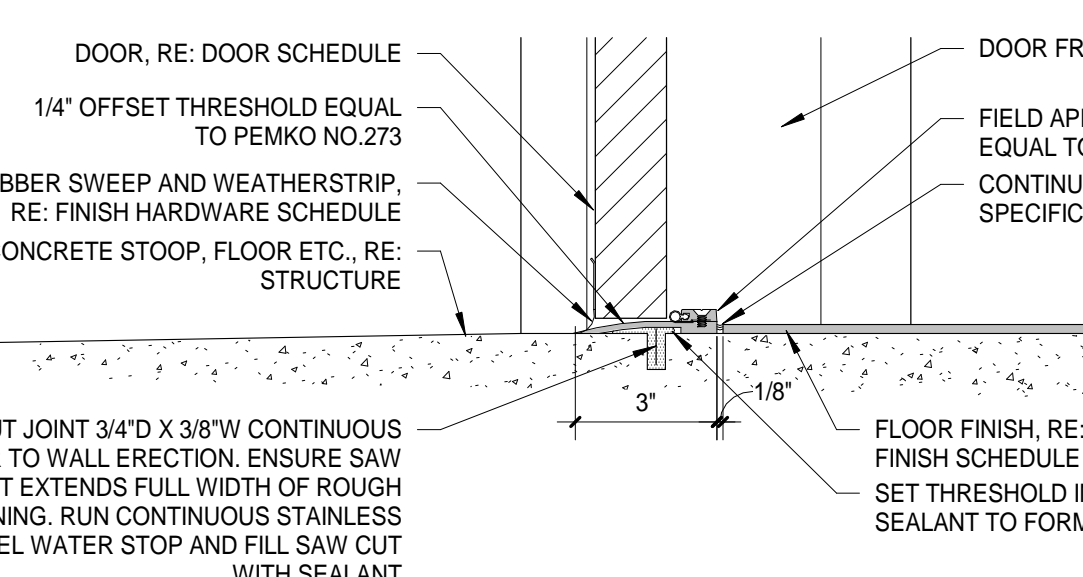
16 SILL DETAIL

1 1/2" = 1'-0"



17 MARBLE THRESHOLD DETAIL

3' = 1'-0"



DOOR AND FRAME SCHEDULE LEVEL 1, AREA A

MARK	STYLE	PLACEMENT	TYPE	DOOR			GLASS	MATERIAL	FRAME		FIRE RATING	IMPACT RATING	REMARKS
				WIDTH	HEIGHT	THICKNESS			ELEV.	MATERIAL			
A101A	S	Exterior	PAIR	6'-0"	7'-0"	0'-1 3/4"	SF	A	ALUM.	ALUM.	--	--	B.E.G.J.
A101B	S	Exterior	PAIR	6'-0"	7'-0"	0'-1 3/4"	SF	A	ALUM.	ALUM.	--	--	B.E.G.J.
A102A	S	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	SF	B	P.LAM.	B	--	--	I
A102B	S	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	SF	B	P.LAM.	C	--	--	C
A103A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A104A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	A.C.
A105A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	A
A106A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A106B	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A107A	EX	Exterior	SINGLE	4'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	B.C.H.
A108A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A109A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	A
A110A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A111A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	A
A112A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A113A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A113B	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A114A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A115A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A116A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A117A	M	Interior	SINGLE	3'-6"	7'-0"	0'-1 3/4"	LNL	B	GALV. STEEL	AA	GALV. H.M.	--	A.C.
A119A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A120A	P	Interior	PAIR	6'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	D.C.F.
A121A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A122A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	A.C.
A123A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A125A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A126A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A127A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A128A	P	Interior	PAIR	6'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	D.C.F.
A128B	EX	Exterior	PAIR	6'-0"	7'-0"	0'-1 3/4"	SF	--	--	--	--	--	B.G.
A130A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A130B	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A131A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A132A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A133A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A134A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C
A135A	P	Interior	PAIR	6'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C.F.
A135B	P	Interior	PAIR	6'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C.F.
A136A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A136B	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	C
A137A	W	Interior	SINGLE	3'-0"	7'-0"	0'-1 3/4"	FL	--	P.LAM.	AA	GALV. H.M.	--	A.C.
A138A	S	Exterior	PAIR	6'-0"	7'-0"	0'-1 3/4"	SF	A	ALUM.	ALUM.	--	--	B.E.G.J.
A138B	P	Interior	PAIR	6'-0"	7'-0"	0'-1 3/4"	LNL	B	P.LAM.	AA	GALV. H.M.	--	C.F.

DOOR AND FRAME SCHEDULE NOTES

- DOOR MARK PREFIX LEGEND:**
EX: EXISTING M: METAL/STEEL P: PACKAGE S: STOREFRONT W: WOOD
- DOOR GLASS LEGEND**
A: 1" INSULATED FULLY TEMPERED GLASS, TINT AS SPECIFIED B: 1/4" FULLY TEMPERED GLASS, CLEAR
- DOOR AND FRAME REMARKS:**
A. PROVIDE SMOKE SEALS AT HEAD, JAMBS AND BOTTOM
B. ACCESS CONTROLLED DOOR, RE: SPECIFICATIONS
C. PROVIDE 12" STAINLESS STEEL KICK PLATE ON PUSH SIDE
D. DOUBLE EGRESS DOOR, SEE PLAN
E. FOR NEW DOOR AND FRAME SIZE, FIELD VERIFY TO FIT IN EXISTING OPENING
F. GALVANIZED HOLLOW METAL FRAME BY DOOR MANUFACTURER
G. SAFETY / SECURITY WINDOW FILM 8 MIL. FILM IS FROM BOTTOM FRAME SILL TO A HEIGHT OF HORIZONTAL MULLIONS AT 7'-0"
H. CLEAN AND REPAINT EXISTING HOLLOW METAL FRAMES, BOTH SIDES
I. INTERIOR FRAME TO BE DARK BRONZE ANODIZED FINISH
J. EXTERIOR FRAME TO BE CLEAR ANODIZED FINISH
- NOTES:**
1. ALL DOOR FRAMES AND GLASS IN FIRE RATED PARTITIONS AND BARRIER WALLS TO BE FIRE RATED
2. FOR MAGNETIC DOOR LOCKS TIED INTO THE FIRE ALARM SYSTEM, VERIFY WITH LOCAL A.H.J. FOR COMPLIANCE
3. DIMENSIONS FOR DOOR FRAMES ARE TO THE ROUGH IN OPENING, REFER TO DOOR AND WINDOW ELEVATIONS SHEET FOR FRAME DIMENSIONS
4. ALL GLASS IN EXTERIOR DOORS AND WINDOWS TO BE INSULATED
5. FOR DOORS WITH ACCESS CONTROL/AUTO-OPERATOR AND ELECTRONIC HARDWARE DEVICES, CONTRACTOR IS TO SCHEDULE A COORDINATION MEETING PER THE FINISH HARDWARE SPECIFICATIONS
6. ALL WINDSTORM OPENINGS SHALL BE SUPPLIED AS (CERTIFIED) TESTED/APPROVED PACKAGED SYSTEMS TO INCLUDE THE DOOR AND FRAME HARDWARE TO MEET ALL APPLICABLE STATE / LOCAL CODE REQUIREMENTS

WINDOW SCHEDULE LEVEL 1, AREA A

MARK	ELEV.	PLACEMENT	MATERIAL	GLASS	FIRE RATING	IMPACT RATING	REMARKS
A101C	G	Exterior	EXISTING	C	--	--	AA,CC
A101D	H	Exterior	EXISTING	C	--	--	AA,CC
A102A	B	Interior	ALUM.	B	--	--	BB,DD
A102B	D	Interior	ALUM.	B	--	--	BB,DD
A102C	D	Interior	ALUM.	B	--	--	BB,DD
A103A	E	Exterior	ALUM.	A	--	--	AA,BB,EE
A103B	E	Exterior	ALUM.	A	--	--	AA,BB,EE
A104A	E	Exterior	ALUM.	A	--	--	AA,BB,EE
A106A	E	Exterior	ALUM.	A	--	--	AA,BB,EE
A114A	E	Exterior	ALUM.	A	--	--	AA,BB,EE
A114B	E	Exterior	ALUM.	A	--	--	AA,BB,EE
A135A	F	Interior	ALUM.	B	--	--	DD

WINDOW SCHEDULE NOTES

- WINDOW FRAMES**
1. REFER TO DOOR AND WINDOW ELEVATIONS SHEET FOR FRAME DIMENSIONS
2. DIMENSIONS ARE TO ROUGH OPENING, REFER TO DOOR AND WINDOW ELEVATIONS SHEET FOR FRAME DIMENSIONS
- WINDOW GLASS LEGEND**
A: 1" INSULATED FULLY TEMPERED GLASS, TINT AS SPECIFIED B: 1/4" FULLY TEMPERED GLASS, CLEAR C: EXISTING GLASS
- NOTES:**
1. ALL WINDOW FRAMES AND GLASS IN FIRE RATED PARTITIONS AND WALLS TO BE FIRE RATED
2. ALL GLASS IN EXTERIOR DOORS AND WINDOWS TO BE INSULATED
- REMARKS:**
AA: SAFETY / SECURITY WINDOW FILM 8 MIL.
BB: FOR NEW WINDOW AND FRAME SIZE, FIELD VERIFY TO FIT IN EXISTING OPENING
CC: CLEAN AND REPAINT EXISTING HOLLOW METAL FRAMES, BOTH SIDES
DD: INTERIOR FRAME TO BE DARK BRONZE ANODIZED FINISH
EE: EXTERIOR FRAME TO BE CLEAR ANODIZED FINISH

LWA
ARCHITECTS
American Bank Plaza
711 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
www.lwarchitects.com

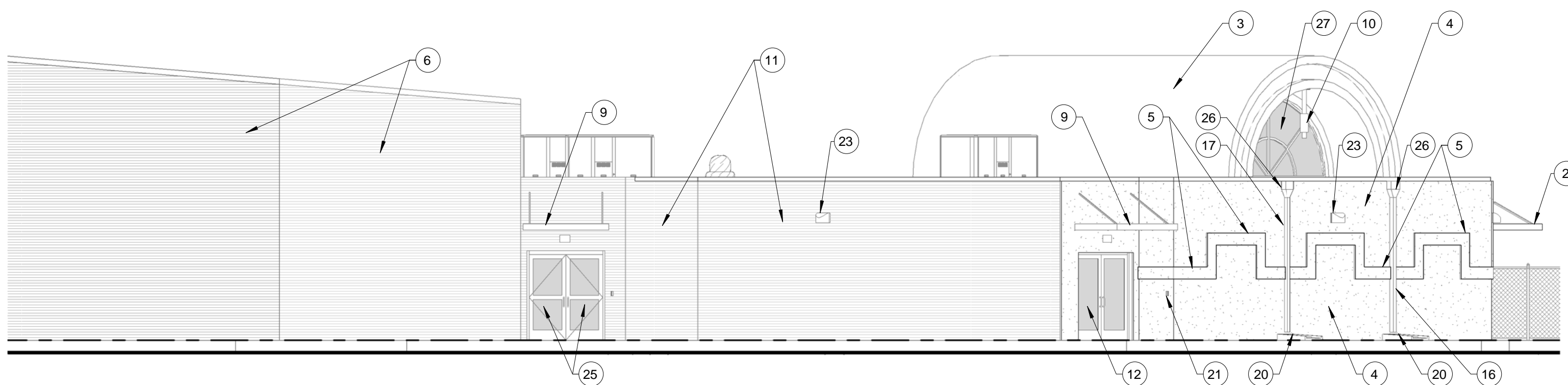


RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

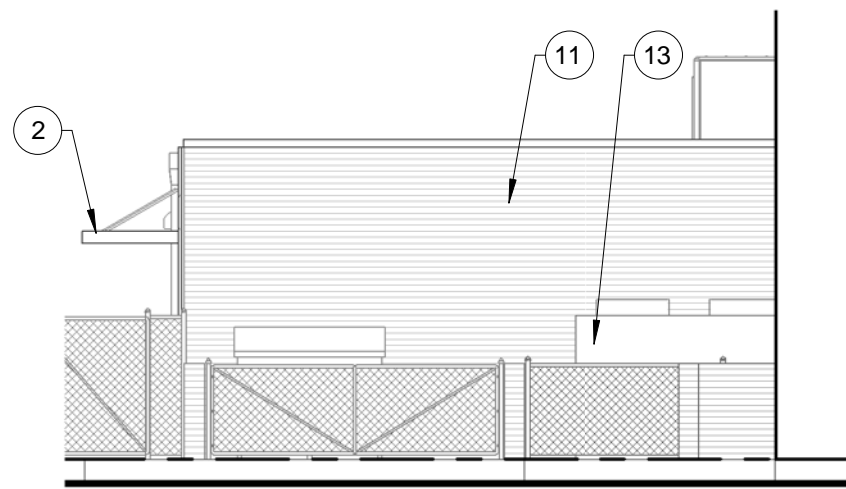
KEYPLAN

DATE: 07/11/2018
DWG BY: JC
CKD BY: ARS
JOB NO: 1706
REVISION:
SHEET NUMBER
A400
DOOR & WINDOW
SCHEDULES /
ELEVATIONS &
DETAILS
SET NO.

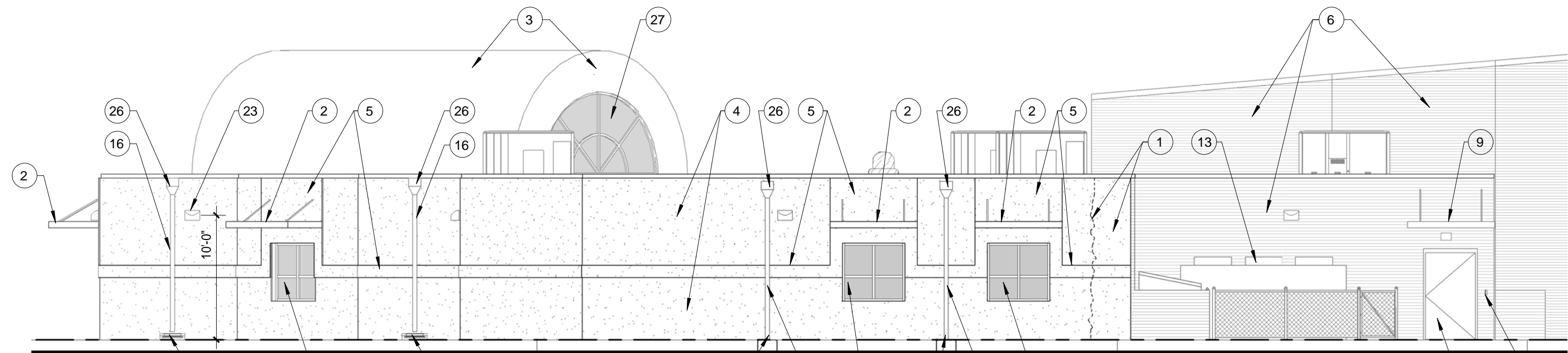
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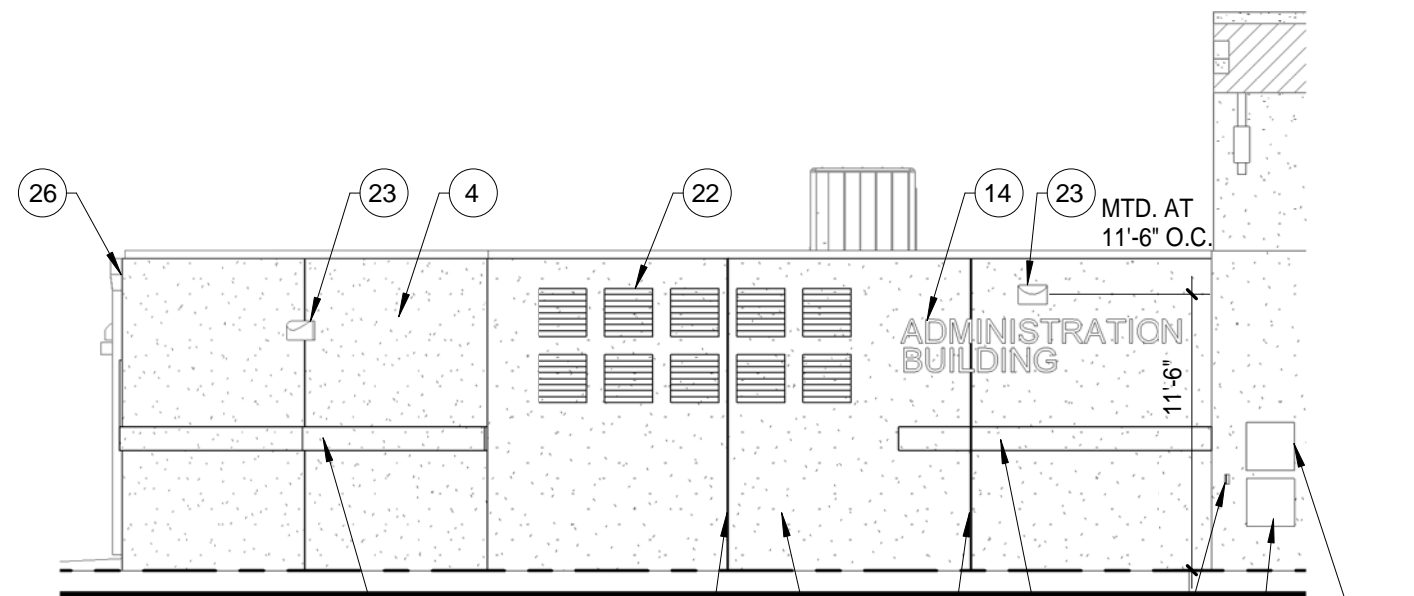
1 NORTH ELEVATION
1/8" = 1'-0"



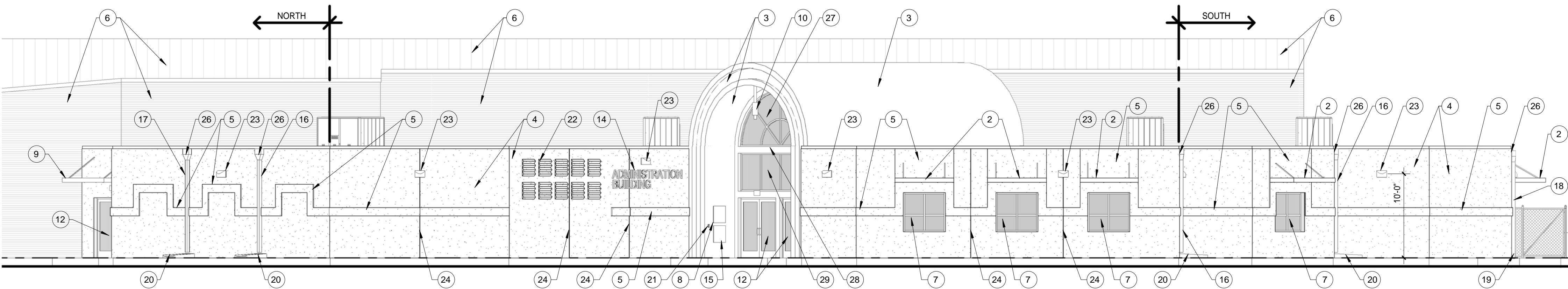
2 EAST ELEVATION
1/8" = 1'-0"



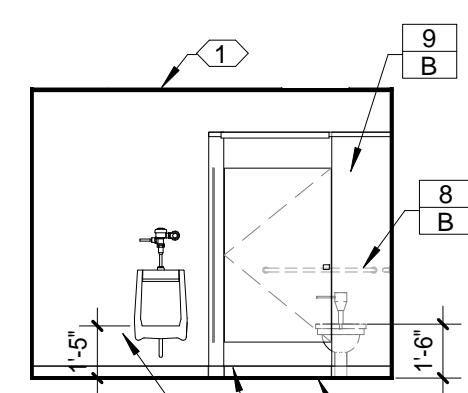
3 SOUTH ELEVATION
1/8" = 1'-0"



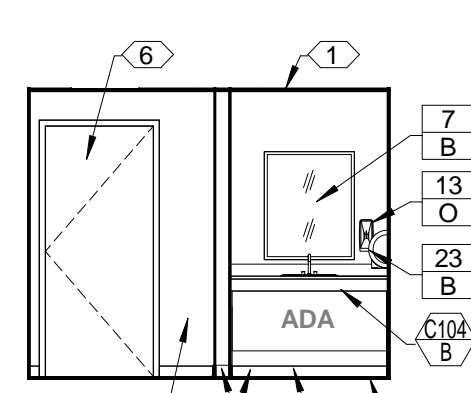
5 SOUTHWEST ELEVATION
1/8" = 1'-0"



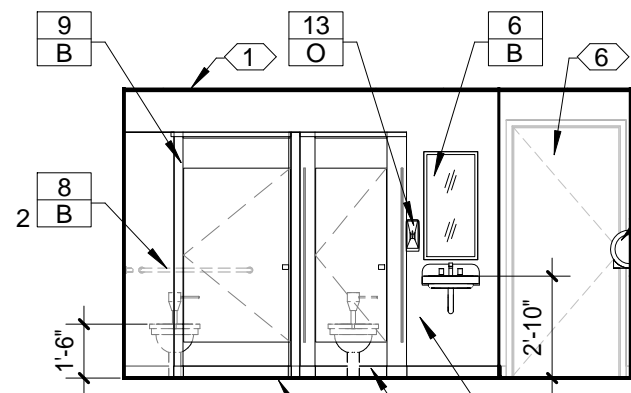
4 WEST ELEVATION
1/8" = 1'-0"



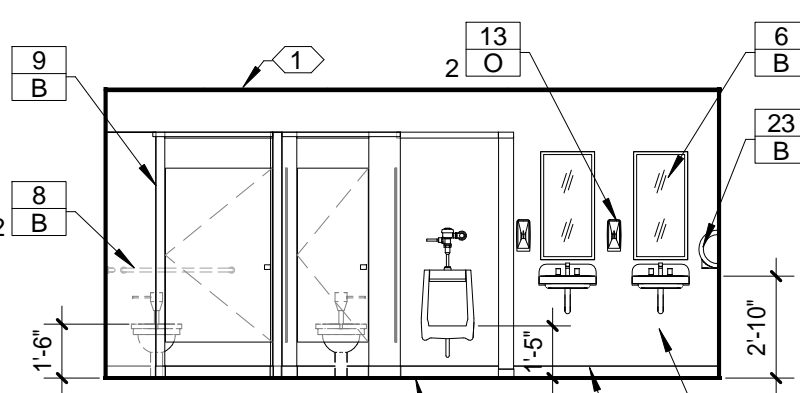
6 INTERIOR ELEVATIONS
MEN'S RESTROOM - A116
3/16" = 1'-0"



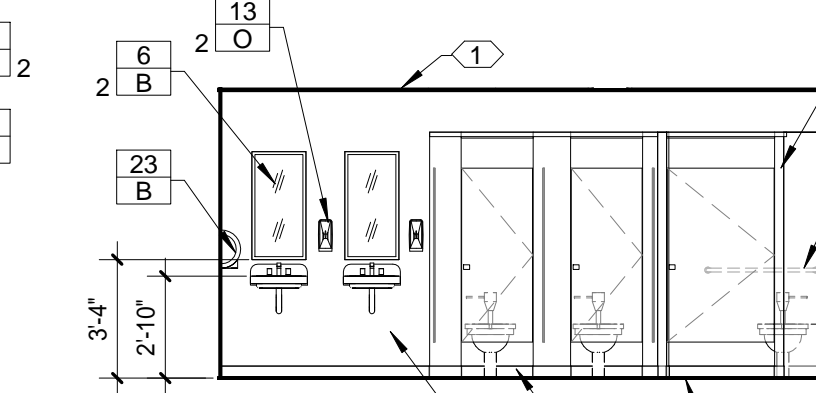
7 INTERIOR ELEVATIONS
WOMEN'S RESTROOM - A115
3/16" = 1'-0"



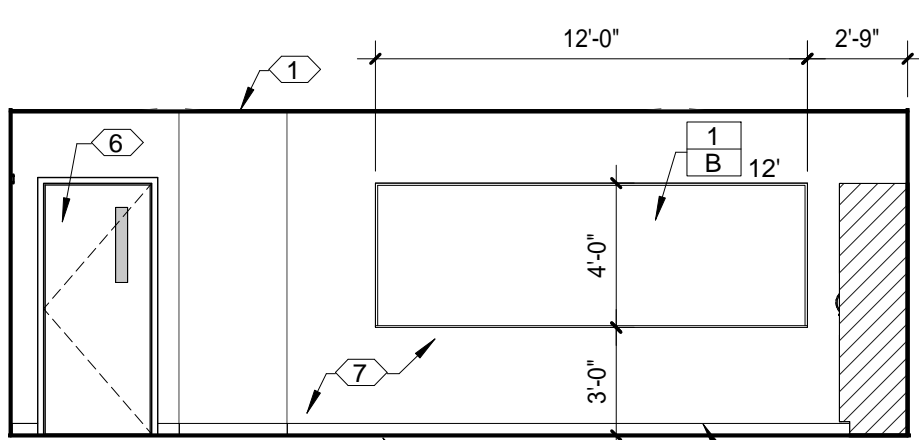
8 INTERIOR ELEVATIONS
BOY'S RESTROOM - A121
3/16" = 1'-0"



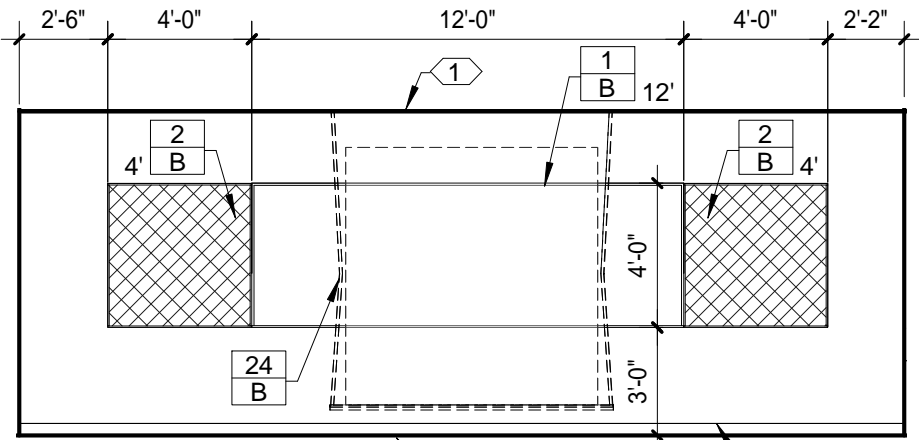
9 INTERIOR ELEVATIONS
GIRL'S RESTROOM - A123
3/16" = 1'-0"



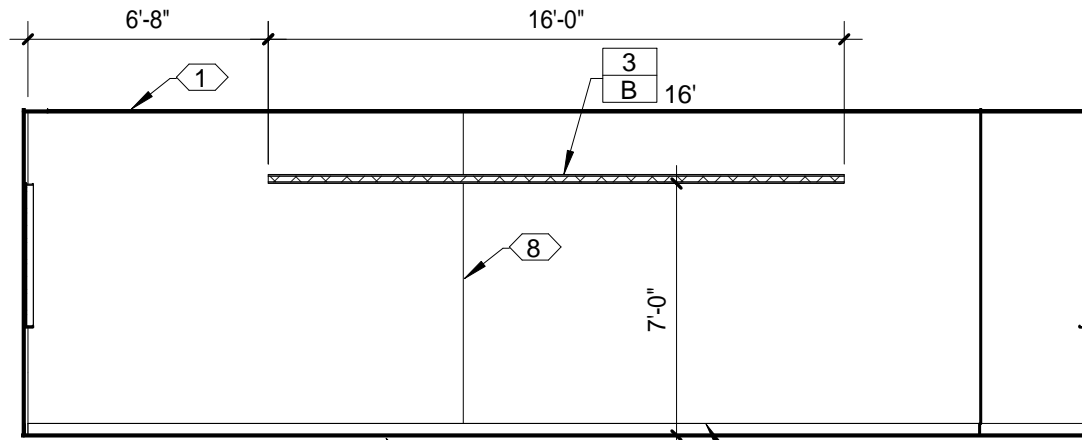
10 INTERIOR ELEVATIONS
SUPERINTENDENT'S RESTROOM
3/16" = 1'-0"



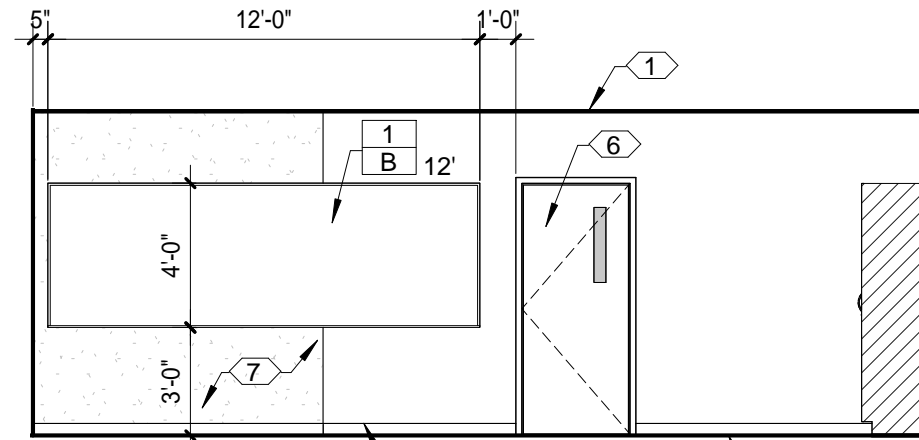
11 INTERIOR ELEVATIONS
CLASSROOM - A125
3/16" = 1'-0"



11S (SOUTH)

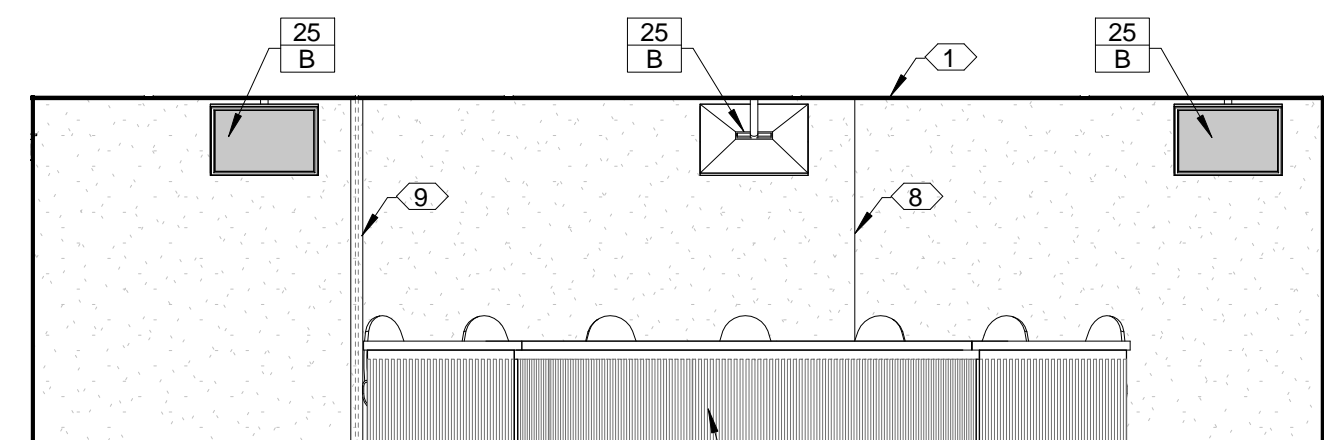


11W (WEST)

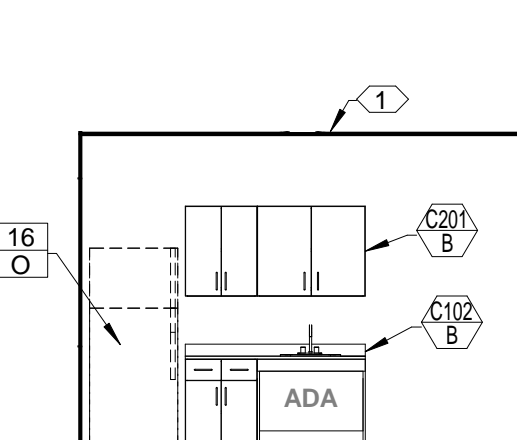


12S (SOUTH)

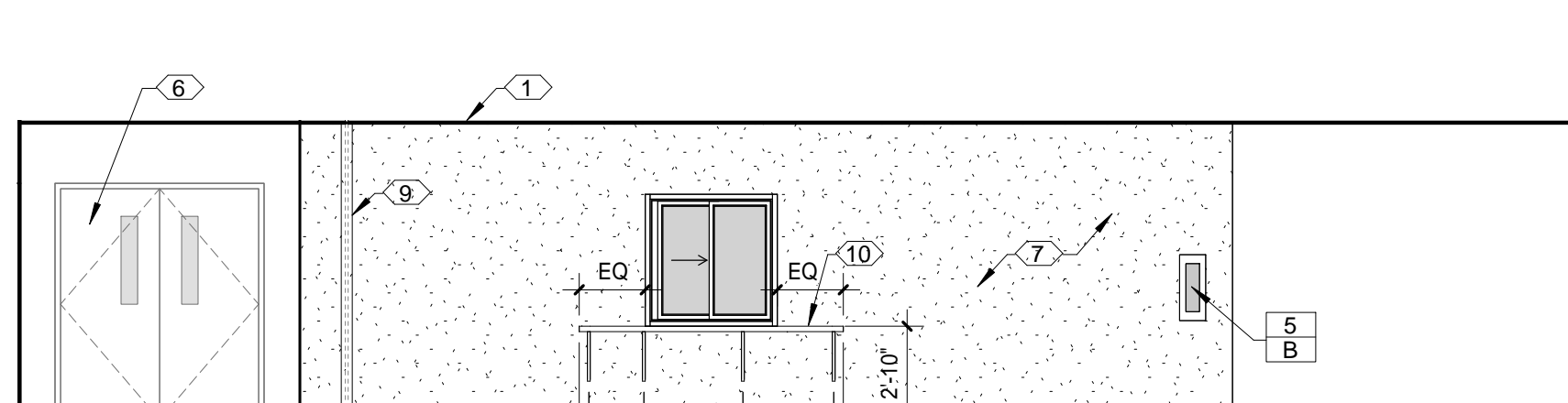
12 INTERIOR ELEVATIONS
CLASSROOM - A127
3/16" = 1'-0"



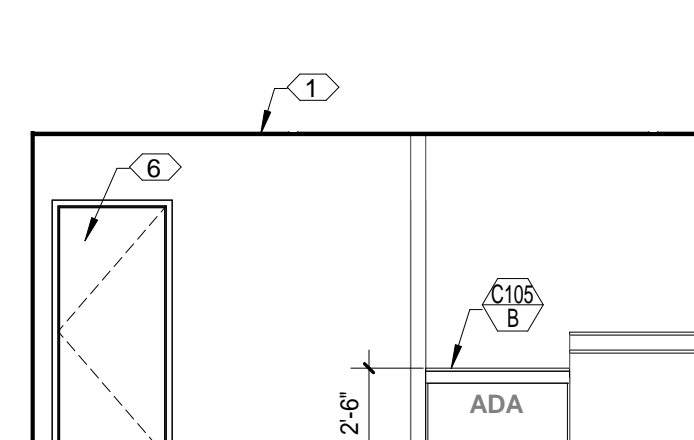
13 INTERIOR ELEVATIONS
BOARD ROOM - A135
3/16" = 1'-0"



14 INTERIOR ELEVATIONS
TEACHER'S LOUNGE - A114
3/16" = 1'-0"



15 INTERIOR ELEVATIONS
CORRIDOR - A138
3/16" = 1'-0"



16 INTERIOR ELEVATIONS
BUSINESS OFFICE - A103
3/16" = 1'-0"

EXTERIOR ELEVATIONS KEYED NOTES

- REPAIR BROKEN/MISSING STUCCO FULL THICKNESS WITH PORTLAND CEMENT PLASTER PRIOR TO NEW EIFS.
- CLEAR ANODIZED ALUMINUM WINDOW CANOPY, RE: SPECIFICATIONS AND 18/A600 FOR MOUNTING BRACKET DETAIL.
- EXISTING STUCCO FINISH TO REMAIN AND BE PROTECTED.
- FIELD COLOR EIFS SYSTEM, COLOR TO BE SELECTED BY ARCHITECT. REPAIR ALL LOCATIONS OF BROKEN/MISSING STUCCO FULL THICKNESS WITH PORTLAND CEMENT PLASTER PRIOR TO NEW EIFS. FIELD VERIFY EXACT LOCATIONS.
- 1 1/2" THICK EIFS DECORATIVE BAND AND PROJECTION, COLOR TO BE SELECTED BY ARCHITECT, STOP BAND AT DOWNSPOUTS TO ALLOW STRAIGHT RUN OF DOWNSPOUT.
- EXISTING HIGH SCHOOL BUILDING TO REMAIN AND BE PROTECTED.
- CLEAR ANODIZED ALUMINUM STOREFRONT WINDOWS AS SCHEDULED AND SPECIFIED.
- EXISTING BUILDING PLAQUE TO REMAIN AND BE PROTECTED. INSTALL MISSING ANCHORS.
- EXISTING CANOPY TO REMAIN AND BE PROTECTED.
- REFER TO LIGHTING PLAN FOR LIGHT FIXTURE.
- EXISTING BRICK FACADE TO REMAIN AND BE PROTECTED.
- NEW CLEAR ANODIZED ALUMINUM STOREFRONT DOOR AS SCHEDULED AND SPECIFIED.
- EXISTING MECHANICAL EQUIPMENT TO REMAIN AND BE PROTECTED.
- 12" HIGH EXTERIOR LETTERS PER SIGNAGE ALLOWANCE.
- NEW BUILDING PLAQUE, RE: 14 AND 15/A003 AND SPECIFICATIONS.
- EXISTING DOWNSPOUT TO REMAIN AND BE PROTECTED. PATCH AND/OR REPAIR AS NEEDED. REPAIR.
- NEW DOWNSPOUT, PREFINISHED GALVANIZED AS SPECIFIED. TO MATCH EXISTING DOWNSPOUTS WITH COLLECTOR HEAD. PATCH AND REPAIR WALL AROUND SCUPPER WITH SIMILAR CONSTRUCTION. REPAIR / REPLACE SCUPPER AS NEEDED.
- REINSTALL DETACHED EXISTING DOWNSPOUT TO ORIGINAL LOCATION. PATCH AND REPAIR WALL AROUND SCUPPER WITH SIMILAR CONSTRUCTION. REPAIR OR REPLACE SCUPPER AS NEEDED.
- EXTEND DOWNSPOUTS TO BELOW EXISTING WALK FOR TRENCH DRAINS.
- NEW SPLASH BLOCKS, RE: 4/A200.
- ACCESS CONTROL CARD READER, RE: MEP.
- 2'-0" X 2'-0" EIFS ACCENT PANEL, RE: 12/A600.
- EXTERIOR LIGHT FIXTURE MOUNTED 10'-0" A.F.F. UNLESS OTHERWISE NOTED, RE: MEP.
- 3/4" CONTROL JOINT CENTERED OVER EXISTING STUCCO CONTROL JOINT, RE: 4/A600.
- EXISTING DOOR TO REMAIN AND BE PROTECTED.
- FIELD VERIFY CONDITION OF SCUPPER FLASHING, EXTEND AS REQUIRED TO ACCOMMODATE EIFS THICKNESS AND PROPER FIT TO COLLECTOR HEAD.
- EXISTING ARCHED WINDOW FROM EXISTING HORIZONTAL TRANSOM TO REMAIN AND BE PROTECTED.
- EXISTING TRANSOM TO REMAIN AND BE PROTECTED.
- EXISTING HORIZONTAL WINDOW TO REMAIN AND BE PROTECTED.

INTERIOR ELEVATION GENERAL NOTES

- NOT ALL KEYED NOTES LISTED BELOW ARE USED ON THIS SHEET.
- REFER TO SHEET A300 FOR FIXTURE SCHEDULE, FIXTURE ELEVATIONS AND ASSOCIATED DETAILS.
- REFER TO SHEET A200 FOR ROOM FINISH SCHEDULE AND A400 FOR DOOR SCHEDULE, AND ASSOCIATED NOTES.
- DIMENSIONS INDICATED FOR MARKER BOARDS ARE FROM FINISH FLOOR TO THE MARKER TRAY, COORDINATE WITH ARCHITECT.
- ELECTRICAL AND COMMUNICATION OUTLETS NOT SHOWN, RE: MEP FOR LOCATION, COORDINATE WITH ARCHITECTURAL PLANS.

INTERIOR ELEVATION KEYED NOTES

- CEILING SYSTEM, REFER TO ROOM FINISH SCHEDULE AND REFLECTED CEILING PLAN.
- BASE, REFER TO ROOM FINISH SCHEDULE AND SPECIFICATIONS.
- WRAP RUBBER BASE WITHIN AND AROUND FINISHED CASEWORK OR WALLS, TYPICAL.
- EXISTING WALL TILE, REFER TO PLAN AND ROOM FINISH SCHEDULE. REPAIR AS NECESSARY.
- FLOOR FINISH, REFER TO PLAN AND ROOM FINISH SCHEDULE.
- DOOR AS SCHEDULED.
- WALL FINISH PAINTED, REFER TO PLAN AND ROOM FINISH SCHEDULE.
- CONTROL JOINT, RE: 3 AND 5/A600.
- EXPANSION JOINT COVER, RE: A600.
- PROVIDE AND INSTALL NEW 2'-0"W X 8'-0"L PLASTIC LAMINATE COUNTERTOP AT 2'-10" A.F.F. WITH WALL MOUNTED METAL SUPPORT BRACKETS (BAKED ENAMEL FINISH), SPACE BRACKETS AS INDICATED FOR PROPER ADA CLEARANCE.
- BOARDROOM DESK WITH 1X1 STAINED WOOD STRIPS ON PLYWOOD FACE, RE: 11/A300.

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

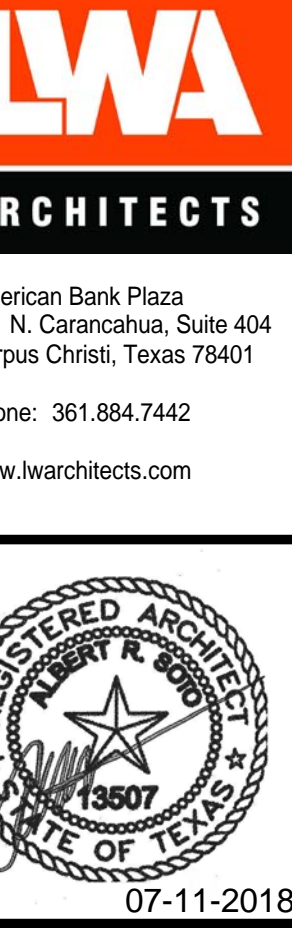
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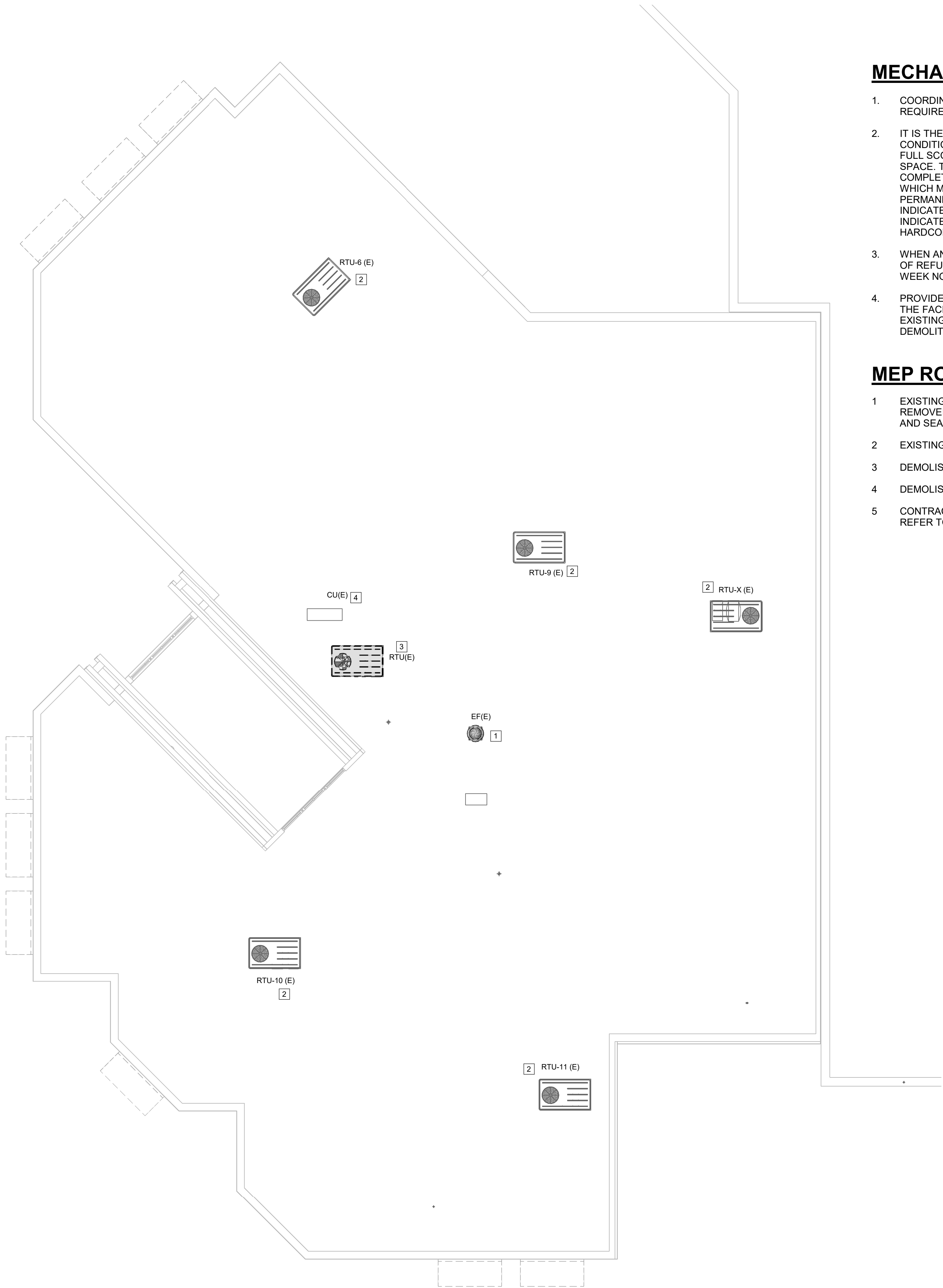
DATE: 07/11/2018
DWG BY: JC
CKD BY: ARS
JOB NO: 1706

REVISION:
SHEET NUMBER

A500
EXTERIOR &
INTERIOR
ELEVATIONS

SET NO.






1 ROOF LEVEL MEP DEMO PLAN
MEP101 1/8" = 1'-0"

MECHANICAL GENERAL DEMO NOTES

- COORDINATE DEMOLITION WORK WITH ELECTRICAL AND OTHER DISCIPLINES AS REQUIRED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOBSITE CONDITIONS DURING THE BIDDING PERIOD, SO THEY WILL HAVE DISCOVERED THE FULL SCOPE OF WORK INVOLVED WITH THE MODIFICATION OF THIS EXISTING SPACE. THE SCOPE OF THE WORK SHALL INCLUDE ALL MATERIALS FOR A COMPLETE INSTALLATION INCLUDING DEVICES, EQUIPMENT, OR APPARATUS WHICH MUST BE REROUTED, RELOCATED, OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED TO ACCOMMODATE THE INDICATED REMODELING. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON THE DRAWINGS. ALL HVAC SHOWN ARE TAKEN FROM AS-BUILT HARDCOPY AND MUST BE FIELD VERIFIED.
- WHEN AN EQUIPMENT IS IDENTIFIED TO BE REMOVED, THE OWNER HAS FIRST RIGHT OF REFUSAL BEFORE DISPOSING OF THAT EQUIPMENT. PROVIDE DISTRICT ONE WEEK NOTICE PRIOR TO DEMOLITION.
- PROVIDE ALL NECESSARY CLEAR PATH TO MOVE DEMOLISHED EQUIPMENT OUT OF THE FACILITY AS WELL TO BRING NEW EQUIPMENT INTO THE BUILDING. MODIFY EXISTING PIPING, DUCTWORK CONDUITS, AS REQUIRED TO COMPLETE THE DEMOLITION

MEP ROOF DEMO KEYED NOTES

- EXISTING ROOF EXHAUST FAN AND ASSOCIATED DUCTWORK SHALL BE REMOVED. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. TEMPORARILY CAP AND SEAL ROOF OPENING. REFER TO M201 FOR NEW WORK.
- EXISTING ROOF TOP UNIT SHALL REMAIN.
- DEMOLISH EXISTING ROOF TOP UNIT.
- DEMOLISH CONDENSING UNIT.
- CONTRACTOR TO DEMOLISH ALL EXISTING GAS LINE UP TO ROOF PENETRATION. REFER TO MEP201 FOR NEW GAS PIPE ROUTING.



400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.688.5797 p
TBPE Firm Registration No. 2234

DBR Project Number189005 000

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MG

JB

TL

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ARCHITECTS

American Bank Plaza
711 N. Caranishus, Suite 404
Corpus Christi, Texas 78401
Phone: 361.684.7442
Fax: 361.683.1612
www.lwarchitects.com

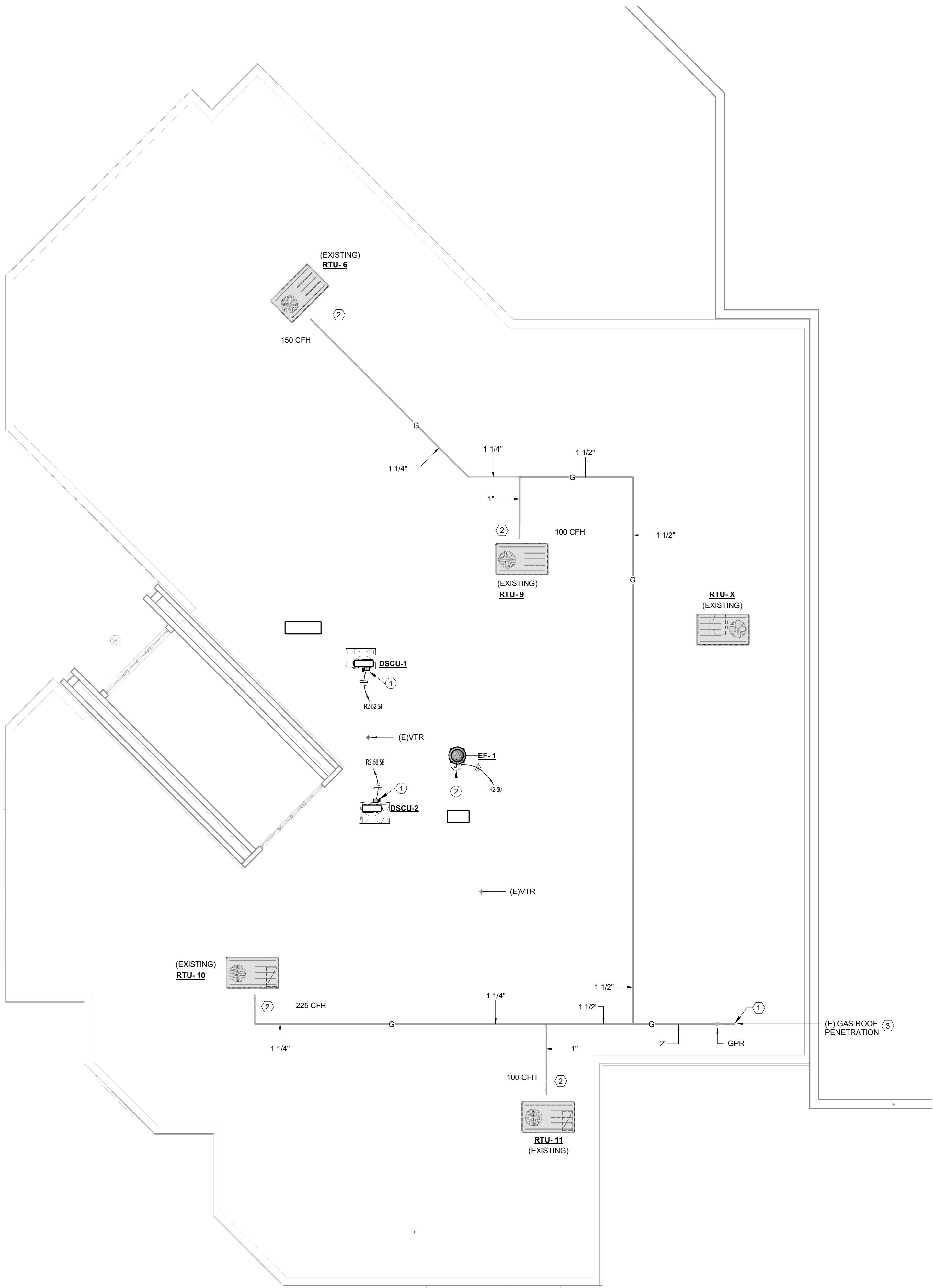


JEFFREY D. TABB
87912
05/22/2018

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 05/22/2018
DWG BY: Author
CKD BY: Checker
JOB NO: 1706
REVISION:
SHEET NUMBER
MEP101
ROOF LEVEL MEP
DEMO PLAN
SET NO.



1 ROOF LEVEL MEP PLAN
MEP201
1/8" = 1'-0"

ELECTRICAL KEYNOTE LEGEND	
No.	Note
1	208V, 30A/2P, NEMA 3R DISCONNECT SWITCH FUSED PER NAMEPLATE DATA OF FURNISHED EQUIPMENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL. PROVIDE CODE REQUIRED MOUNTING AND CLEARANCE.
2	PROVIDE 120V CONNECTION TO EXHAUST FAN. DISCONNECT SHALL BE PROVIDED WITH EQUIPMENT. EXHAUST FAN SHALL BE CONTROLLED WITH THE LIGHTS IN THE RESPECTIVE ROOM THROUGH A CONTROL RELAY. ELECTRICAL CONTRACTOR SHALL PROVIDE RELAY AND ALL CONDUIT AND WIRING AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL.

GENERAL NOTES:

- (A) SIZES AND LOCATION OF EXISTING PIPINGS SHOWN WERE TAKEN FROM ENGINEERING PLANS FROM WHICH EXISTING SYSTEMS WERE INSTALLED. CONTRACTOR NEED TO FIELD VERIFY EXACT SIZES, CONDITIONS AND LOCATIONS OF INDICATED EXISTING UTILITIES.
- (B) ALL FIXTURES, EQUIPMENT AND PLUMBING LINES SHOWN WITH (E) ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.
- (C) THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING ALL WORK UNDER THIS SECTION OF THE PROJECT IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES INCLUDING THOSE PUBLISHED BY OSHA AND EPA.

PLUMBING KEYED NOTES:

- (1) PROVIDE PRESSURE REGULATOR SET AT 4 TO 8 OZ PRESSURE, TOTAL LOAD OF 575 CFH AND DEVELOPED LENGTH OF 160 FEET.
- (2) COORDINATE ROUTING AND CONNECTIONS WITH MECHANICAL CONTRACTOR, RE: 9/P401.
- (3) EXISTING GAS LINE FROM GAS METER, FIELD VERIFY EXACT LOCATION.



American Bank Plaza
711 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com



**RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS**

KEYPLAN

DATE: 05/22/2018
DWG BY: Author
CKD BY: Checker
JOB NO: 1706

REVISION:
SHEET NUMBER
MEP201
ROOF LEVEL MEP PLAN

SET NO.



DBR Project Number		189005 000
JT	MG	JB
TL	--	

ABBREVIATIONS (NOT ALL ITEMS INDICATED APPLY TO THIS PROJECT)

A	
A	AIR (COMPRESSED)
ABV	ABOVE
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT AIR COMPRESSOR
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR, AREA DRAIN
ADJ	ADJUSTABLE
AF	AIR FILTER
AFC	ABOVE FINISHED CEILING
AFI	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFMS	AIR FLOW MEASURING STATION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMB	AMBIENT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AMERICAN REFRIGERANT INSTITUTE
ARCH	ARCHITECT, ARCHITECTURAL
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING AND REFRIGERATION ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AV	ACID VENT, AIR VENT
AVG	AVERAGE
AWS	AMERICAN WELDING SOCIETY
B	
B	BOILER
BC	BELOW COUNTER
B/C	BACK OF CURB
BFV	BUTTERFLY VALVE
BH	BOX HYDRANT
BLDG	BUILDING
BM	BENCHMARK
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STRUCTURE
BT	BATH TUB, BREAK TANK
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACK WATER VALVE
C	
C	CELSIUS
CAB	CABINET
CB	CATCH BASIN
CD	CONDENSATE DRAIN LINE
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CHW	CHILLED WATER
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CR	CIRCULATING
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CI	CAST IRON PIPE INSTITUTE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESSOR
CON	CONVERTER
CONC	CONCRETE, CONCENTRIC
COND	CONDENSER, CONDENSATE
CONN	CONNECTION
CONT	CONTINUOUS, CONTINUATION
CONTR	CONTROLLER, CONTRACTOR
CRAC	COMPUTER ROOM A/C UNIT
CRT	CATHODE RAY TUBE
CT	COOLING TOWER
CTR	CENTER
CU	COPPER
CW	COLD WATER
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY

D	
D	DEPTH, DRAIN, DRYER
DB	DRY BUILD
DC	DOUBLE DUCT CONSTANT VOLUME, DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DESIG	DESIGNATION
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DPR	DAMPER
DS	DOWNSPOUT, DOUBLE SUCTION
DY	DOUBLE DUCT VAV
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DX	DIRECT EXPANSION
E	
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECG	ECCENTRIC
EDB	ENTERING DRY BULB
EDF	ELECTRIC DRINKING FOUNTAIN
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR EMERGENCY ENCLOSURE
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
ES	END SUCTION, EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE EXPANSION TANK
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EVAP	EVAPORATOR
EWB	ENTERING WET BULB
EWI	ENTERING WATER TEMPERATURE
EX	EXPLOSION-PROOF
EXT	EXTERNAL
EXTG	EXISTING
F	
F	FAHRENHEIT, FIRE
FBO	FURNISHED BY OTHERS
FDO	FLOOR CLEAN OUT
FCS	FLOOR CONTROL STATION
FDO	FAN COIL UNIT
FD	FLOOR DRAIN, FIRE DAMPER
FDS	FIRE DEPARTMENT SIAMENSE
FDV	FIRE DEPARTMENT VALVE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FFT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FL	FLOW LINES
FLR	FLOOR
FP	FIRE PUMP
FPT	FAN POWERED TERMINAL
FRZR	FREEZER
FS	FLOW SWITCH, FIRE SPRINKLER
FSK	FLOOR SINK
FT	FOOT, FEET
FUT	FUTURE
G	
G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLV	GLOBE VALVE
GND	GROUND
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSH	GRAND SENSIBLE HEAT
GTH	GRAND TOTAL HEAT
GV	GATE VALVE

H	
HB	HOSE BIBB
HD	HEAD, HUB DRAIN
HE	HEAT EXCHANGER
HF	HUMIDIFIER
HORIZ	HORIZONTAL
HP	HORSEPOWER, HALON PANEL
HPU	HEAT PUMP UNIT
HKP	HOUSEKEEPING PAD
HSC	HORIZONTAL SPUT CASE
HSTAT	HUMIDISTAT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HWC	HOT WATER CIRCULATOR
HWP	HEATING WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HZ	HERTZ
I	
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IH	INFRARED HEATER
IN	INCH
INSUL	INSULATION
INT	INTERNAL, INTERIOR
IW	INDIRECT WASTE
J	
JB	JUNCTION BOX
JP	JOCKEY PUMP
K	
KEC	KITCHEN EQUIPMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT-AMPS
KW	KILOWATT
L	
L	LENGTH, LAVATORY
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVL	LEVEL
LWB	LEAVING WET BULB
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE
M	
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBTUH	THOUSAND OF BTU'S
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MP	MEDIUM PRESSURE
MS	MOP SINK
MTD	MOUNTED
MU	MAKE-UP
MVD	MANUAL VOLUME DAMPER
N	
N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NOT IN CONTRACT
NO.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
O	
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAHU	OUTSIDE AIR HANDLING UNIT
ODB	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OFU	OUTSIDE AIR FAN COIL UNIT
OPG	OPENING
OS&Y	OPEN STEM AND YOK

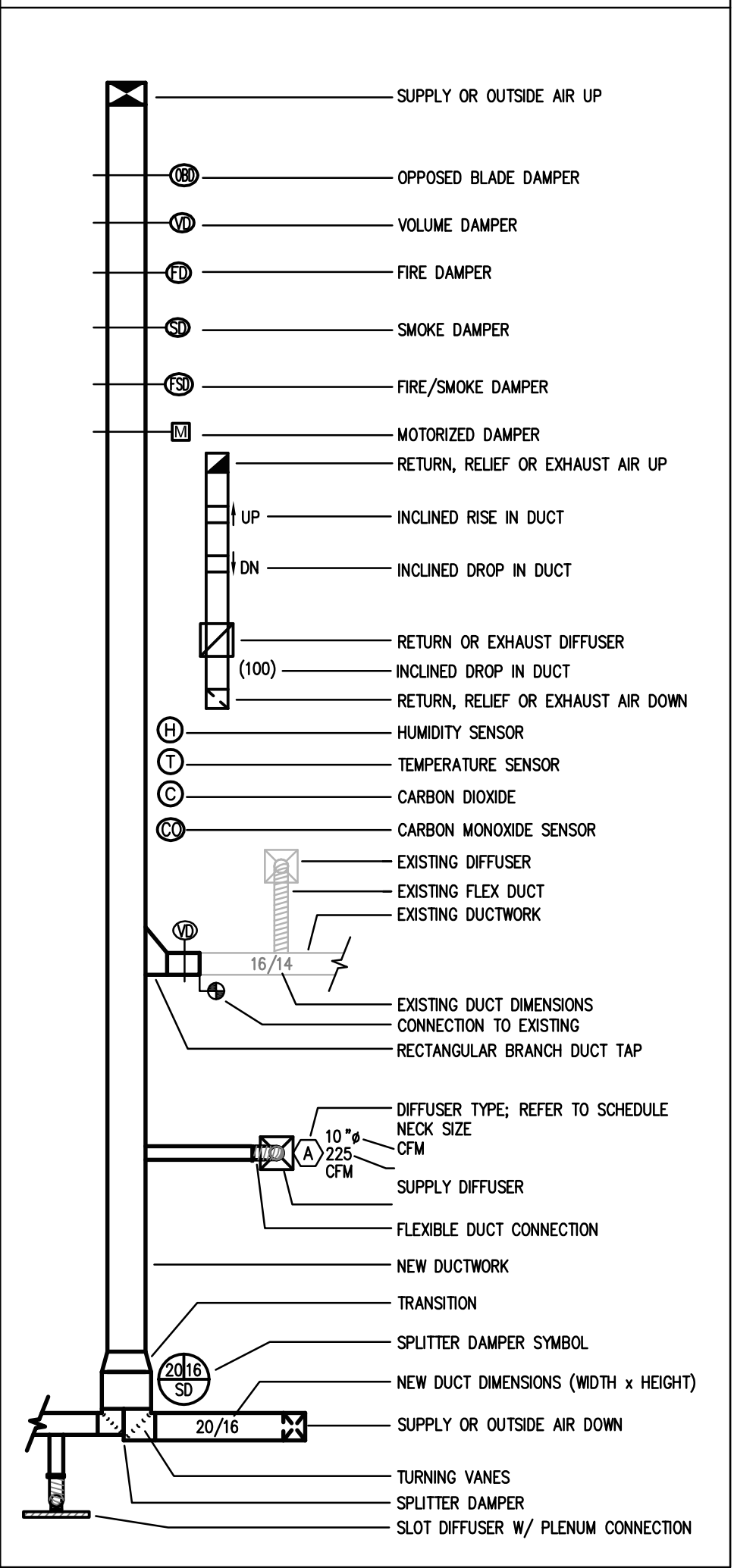
P	
P	PUMP, PLUMBING EQUIPMENT
PC	PLUMBING CONTRACTOR
PCR	PIUMPED CONDENSATE RETURN
PD	PRESSURE DROP, PLANTER DRAIN
PH	PHASE, POST HYDRANT
PVI	POST INDICATOR VALVE
PLBG	PLUMBING
PLDG	PLUMBING
PNEU	PNEUMATIC
PNL	PANEL
PNTH	PENTHOUSE
PP	POLYPROPYLENE
PPM	PART PER MILLION
PR	PRIMARY
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PLUMBING TRIM
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
Q	
QTY	QUANTITY
R	
RA	RETURN AIR
RAD	REFRIGERATED AIR DRYER
RAF	RETURN AIR FAN
RAG	RETURN AIR GRILL
RAT	RETURN AIR TEMPERATURE
RCP	REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE, REFER
REORC	RE-CIRCULATE
RED	REDUCER
REFR	REFRIGERATOR
REG	REGISTER
RENF	REINFORCING
REQD	REQUIRED
REV	REVISION, REVISE
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RKVA	RUNNING KILOVOLT-AMPS
RKW	RUNNING KILOWATTS
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPS
RM	ROOM, REFRIGERATION MACHINE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RV	RELIEF VALVE
S	
S	STEAM
SA	SUPPLY AIR
SAP	SUPPLY AIR FAN
SAG	SUPPLY AIR VOLUME
SAN	SANITARY SEWER
SAR	SUPPLY AIR REGISTER
SC	STEAM CONDENSATE
SCHD	SCHEDULED
SCR	SILICON CONTROLLED RECTIFIER
SD	STORM DRAIN
SE	SEWAGE EJECTOR
SEC	SECONDARY
SECT	SECTION
SENS	SENSIBLE
SF	SQUARE FEET
SFCS	SPRINKLER FLOOR CONTROL STATION
SH	SHOWER
SHT	SHEET
SM	SIMILAR
SK	SINK
SKVA	STARTING KILOVOLT-AMPS
SKW	STARTING KILOWATTS
SM	SHEETMETAL
SP	SUMP PUMP, STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SS	SERVICE SINK
SSD	SUBSURFACE DRAIN
SSFU	SANITARY SEWER FIXTURE UNITS
SSSC	SOLID STATE SPEED CONTROL
STD	STANDARD
STL	STEEL
STR	STRAINER
SURF	SURFACE
SUSP	SUSPEND
SV	SANITARY VENT

MECHANICAL PIPING SYMBOLS

—CWS—	CONDENSER WATER SUPPLY		STRAINER WITH BLOW DOWN VALVE
—CWR—	CONDENSER WATER RETURN		GATE VALVE, HVAC BALANCING/STOP VALVE
—CHS—	CHILLED WATER SUPPLY		GLOBE VALVE
—CHR—	CHILLED WATER RETURN		BALL VALVE
—CD—	CONDENSATE DRAIN LINE		BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
—CO—	CAP ON END OF PIPE		OS&Y VALVE
—EO—	ELBOW UP		CHECK VALVE
—ED—	ELBOW DOWN		BUTTERFLY VALVE
—V—	VALVE IN DROP		TWO-WAY MODULATING CONTROL VALVE
—VR—	VALVE IN RISE		THREE-WAY MODULATING CONTROL VALVE
—D—	DIRECTION OF FLOW		SOLENOID VALVE
—DS—	DIRECTION OF SLOPE DOWN		PRESSURE REDUCING VALVE
—C—	CONCENTRIC REDUCER		GAS REGULATOR
—E—	ECCENTRIC REDUCER		GAS COOK
—T—	TEE OUTLET UP		SPRINKLER FLOOR CONTROL STATION
—B—	TEE OUTLET DOWN		MANUAL AIR VENT
—A—	UNION		AUTOMATIC AIR VENT
—X—	PIPE ANCHOR		TAP RELIEF VALVE
—EJ—	EXPANSION JOINT		PRESSURE GAUGE WITH GAUGE COOK
—V—	PRESSURE AND TEMPERATURE TAP		STEAM TRAP
—F—	FLOW VENTURI		WATER METER
—V—	VACUUM BREAKER		FLEXIBLE CONNECTION
—L—	VACUUM RELIEF VALVE		
—P—	BACKFLOW PREVENTOR		
—T—	THERMOMETER		
—C—	CIRCULATING PUMP		

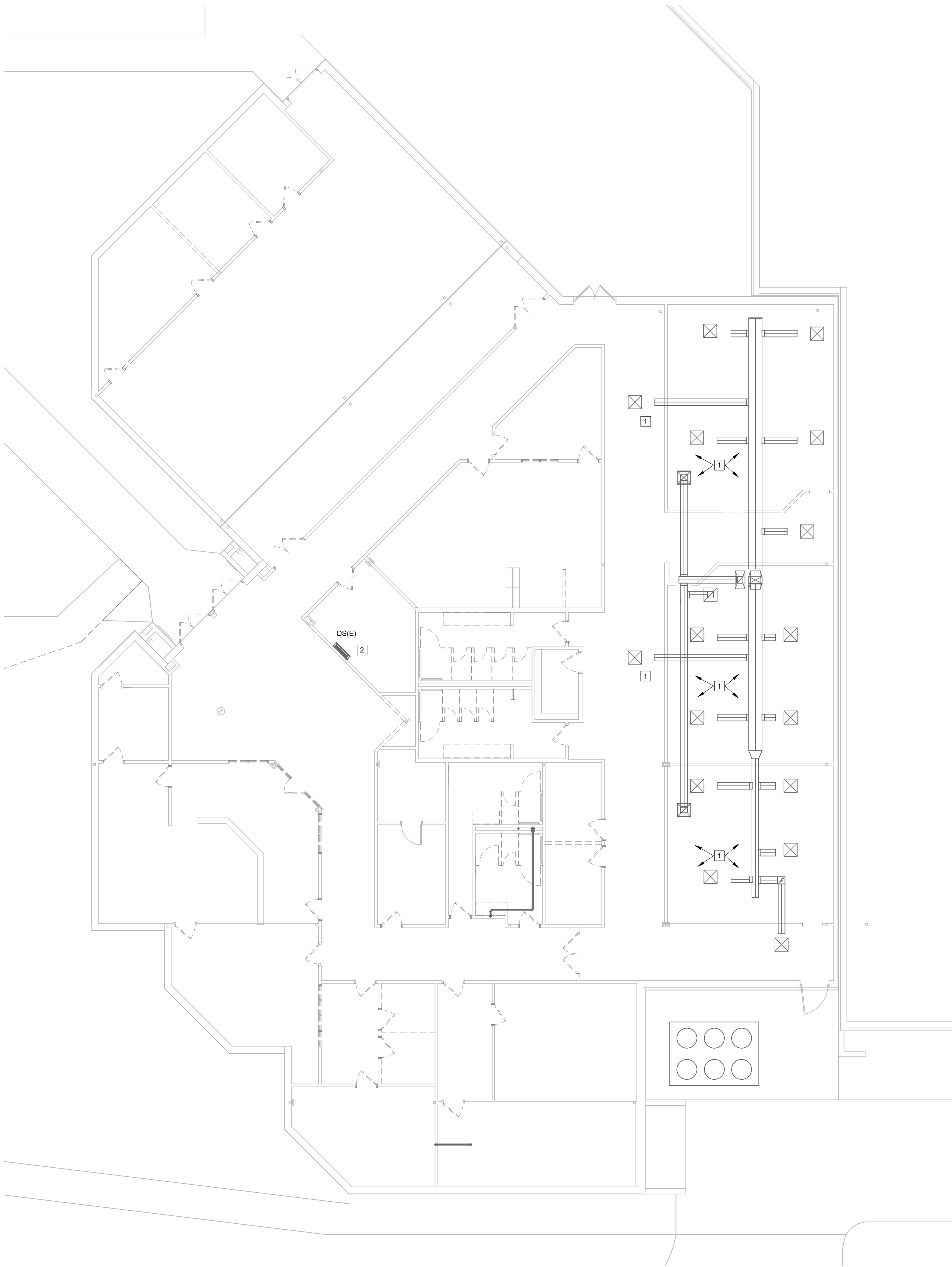
T	
TC	TEMPERATURE CONTROL
TOC	TEMPERATURE CONTROL COMPRESSOR
TD	TRENCH DRAIN
TF	TRANSFER FAN
TDH	TOTAL DYNAMIC HEAD
TH BLK	THRUST BLOCK
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
U	
U	URINAL
UCD	UNDER CUT DOOR
UC	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
U/F	UNDERFLOOR
U/S	UNDERSLAB
V	
V	VOLT, VENT
VA	VOLT- AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX, VACUUM BREAKER
VCP	VITRIFIED CLAY PIPE
VO	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VB	VALVE IN BOX
VOV	VALVE ON VERTICAL
VP	VACUUM PUMP
VR	VARIABLE AIR VOLUME REHEAT
VTR	VENT THRU ROOF
W	
W	WATT, WASTE, WIDTH, WASHER
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WWF	WELDED WIRE FABRIC
WT	WATER TIGHT, WEIGHT
Y	
Y	YARD HYDRANT
Z	
Z	ZONE

DUCTWORK SYMBOLS - NEW



RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN
DATE: 05/22/2018
DWG BY: DBR
CKD BY: DBR
JOB NO: 1706
REVISION:
SHEET NUMBER
M001
MECHANICAL SYMBOLS AND ABBREVIATIONS
SET NO.




1 LEVEL 1 MECHANICAL DEMO PLAN
M101 1/8" = 1'-0"

MECHANICAL GENERAL DEMO NOTES

1. COORDINATE DEMOLITION WORK WITH ELECTRICAL AND OTHER DISCIPLINES AS REQUIRED.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOBSITE CONDITIONS DURING THE BIDDING PERIOD, SO THEY WILL HAVE DISCOVERED THE FULL SCOPE OF WORK INVOLVED WITH THE MODIFICATION OF THIS EXISTING SPACE. THE SCOPE OF THE WORK SHALL INCLUDE ALL MATERIALS FOR A COMPLETE INSTALLATION INCLUDING DEVICES, EQUIPMENT, OR APPARATUS WHICH MUST BE REROUTED, RELOCATED, OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED TO ACCOMMODATE THE INDICATED REMODELING. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON THE DRAWINGS. ALL HVAC SHOWN ARE TAKEN FROM AS-BUILT HARDCOPY AND MUST BE FIELD VERIFIED.
3. WHEN AN EQUIPMENT IS IDENTIFIED TO BE REMOVED, THE OWNER HAS FIRST RIGHT OF REFUSAL BEFORE DISPOSING OF THAT EQUIPMENT. PROVIDE DISTRICT ONE WEEK NOTICE PRIOR TO DEMOLITION.
4. PROVIDE ALL NECESSARY CLEAR PATH TO MOVE DEMOLISHED EQUIPMENT OUT OF THE FACILITY AS WELL TO BRING NEW EQUIPMENT INTO THE BUILDING. MODIFY EXISTING PIPING, DUCTWORK CONDUITS, AS REQUIRED TO COMPLETE THE DEMOLITION

MECHANICAL DEMO KEYED NOTES

1. EXISTING SUPPLY DUCT, RETURN DUCT, AND AIR DEVICES IN THIS AREA SHALL REMAIN. REMOVE HVAC CONTROLS. CONTRACTOR IS RESPONSIBLE FOR SITE VISIT TO DETERMINE THE FULL SCOPE OF WORK. REFER TO M201 FOR NEW WORK.
2. DEMOLISH EXISTING DUCTLESS SPLIT, ASSOCIATED OUTDOOR CONDENSING UNIT ON ROOF, AND CONDENSATE PIPING.



400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.688.5797 p
TBPE Firm Registration No. 2234

DBR Project Number189005 000

JT

MG

JB

TL

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American Bank Plaza
711 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com



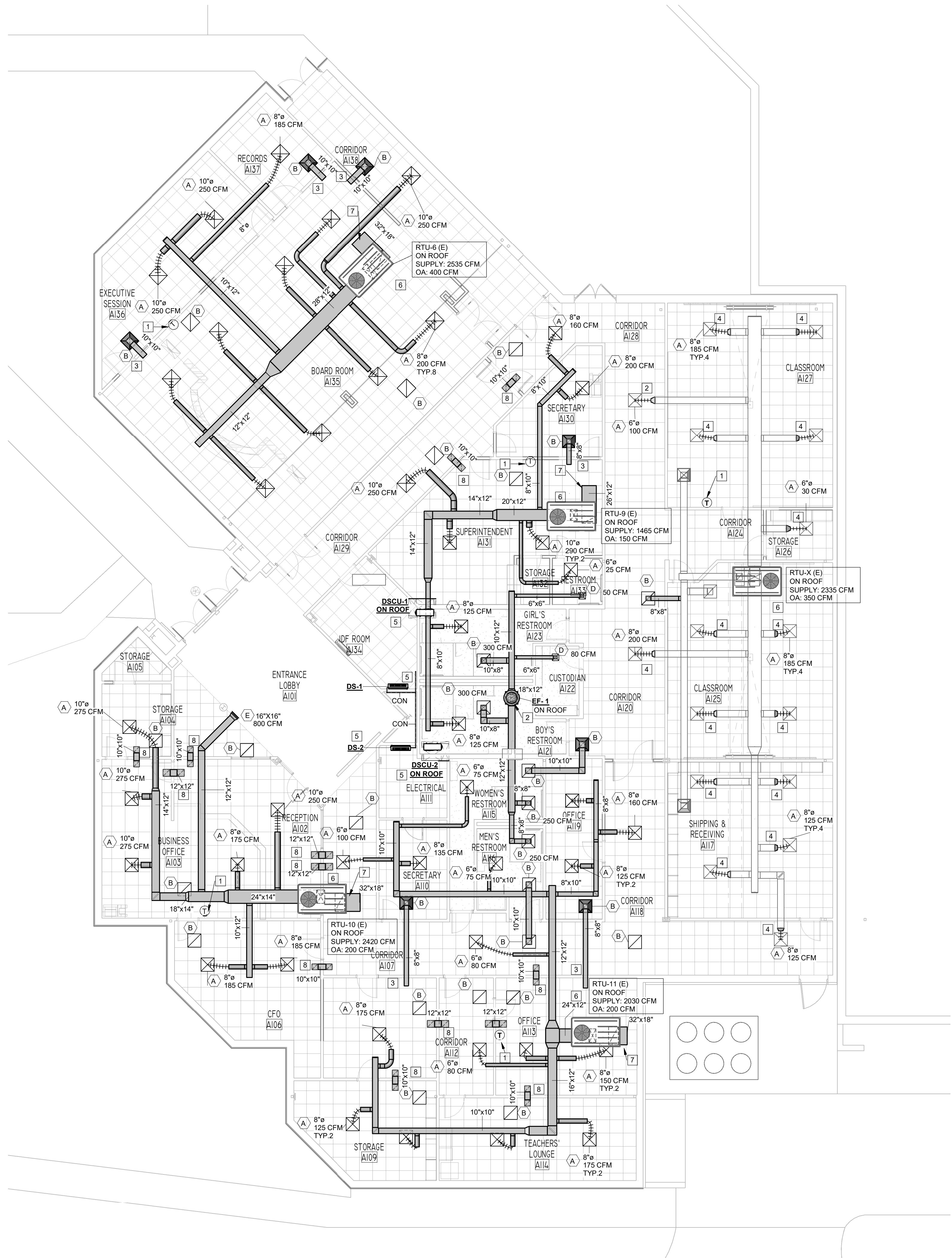
RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE:05/22/2018
DWG BY:Author
CKD BY:Checker
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SHEET NUMBER

M101
LEVEL 1
MECHANICAL DEMO
PLAN

SET NO.



1 LEVEL 1 MECHANICAL PLAN
M201 1/8" = 1'-0"

GENERAL MECHANICAL NOTES

- A. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION OF EQUIPMENT, DUCTS, AND GRILLES ETC. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT COMPLETE MECHANICAL SYSTEMS BE FURNISHED, INSTALLED, TESTED AND READY FOR OPERATION WHETHER OR NOT EVERY ITEM OF EQUIPMENT, ACCESSORY, DEVICE, ETC. IS SHOWN. REFERENCE SHALL BE MADE TO THE FULL DRAWING PACKAGE INCLUDING ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR COORDINATION AND POTENTIAL CONFLICTS. THE MECHANICAL SUBCONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICTS WITH OTHER TRADES, OR FOR PROPER EXECUTION OF THE WORK. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING DUCTWORK.
- B. DUCT DIMENSIONS INDICATED ON DRAWINGS ARE CLEAR INSIDE AIR STREAM DIMENSIONS.
- C. ALL NEW A/C EQUIPMENT SHALL BE CLEANED AFTER THE FINISHING OF DRYWALL AND PRIOR TO THE RELEASE OF BUILDING TO OWNER. MECHANICAL CONTRACTOR TO PROVIDE DOCUMENTATION WITH DATE AND TIME OF UNIT CLEANING.
- D. PROVIDE DUCT-MOUNTED SMOKE DETECTOR IN SUPPLY AND RETURN DUCT FOR AIR HANDLING UNITS SUPPLYING 2000 CFM AND GREATER.

MECHANICAL KEYED NOTES

- 1. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT. MOUNT THERMOSTAT AT 48" A.F.F. COORDINATE WITH ARCHITECT AND ELECTRICAL CONTRACTOR. PROVIDE PROTECTIVE COVERING OVER THERMOSTAT. TYPICAL.
- 2. ROUTE EXHAUST UP TO ROOF EXHAUST FAN ON ROOF. PROVIDE ROOF EXHAUST FAN AS SCHEDULED. REFER TO MEP101.
- 3. PROVIDE RETURN AIR BOOT AT GRILLE. RE: DETAIL 2/M401.
- 4. CONNECT NEW FLEX DUCT FROM EXISTING DIFFUSER TO EXISTING DUCT. FIELD VERIFY EXACT LOCATION. BALANCE TO AIRFLOW NOTED ON PLAN.
- 5. PROVIDE DUCTLESS SPLIT SYSTEM AS SCHEDULED. MOUNT INDOOR UNIT AS HIGH AS POSSIBLE ON WALL. MOUNT ASSOCIATED CONDENSING UNIT ON ROOF WITH WIND RATED SUPPORTS. ROUTE REFRIGERANT LINES FROM CONDENSING UNIT AND PENETRATE ROOF AND CONNECT LINES TO ASSOCIATED INDOOR UNIT. ROUTE CONDENSATE TO FLOOR DRAIN IN IDF ROOM A134.
- 6. ROUTE SUPPLY AND RETURN AIR DUCTWORK UP TO EXISTING ROOF TOP. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING ROOF TOP UNIT AND PROVIDE THE NECESSARY DUCT TRANSITIONS. BALANCE TO SUPPLY AND OUTSIDE AIR AIRFLOWS (CFM) AS NOTED ON PLAN.
- 7. PROVIDE OPEN-ENDED RETURN AIR DUCT AND COVER WITH MECHANICAL MESH.
- 8. PROVIDE RETURN AIR TRANSFER BOOT. RE: DETAIL 8/M401.

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 05/22/2018
DWG BY: Author
CKD BY: Checker
JOB NO: 1706

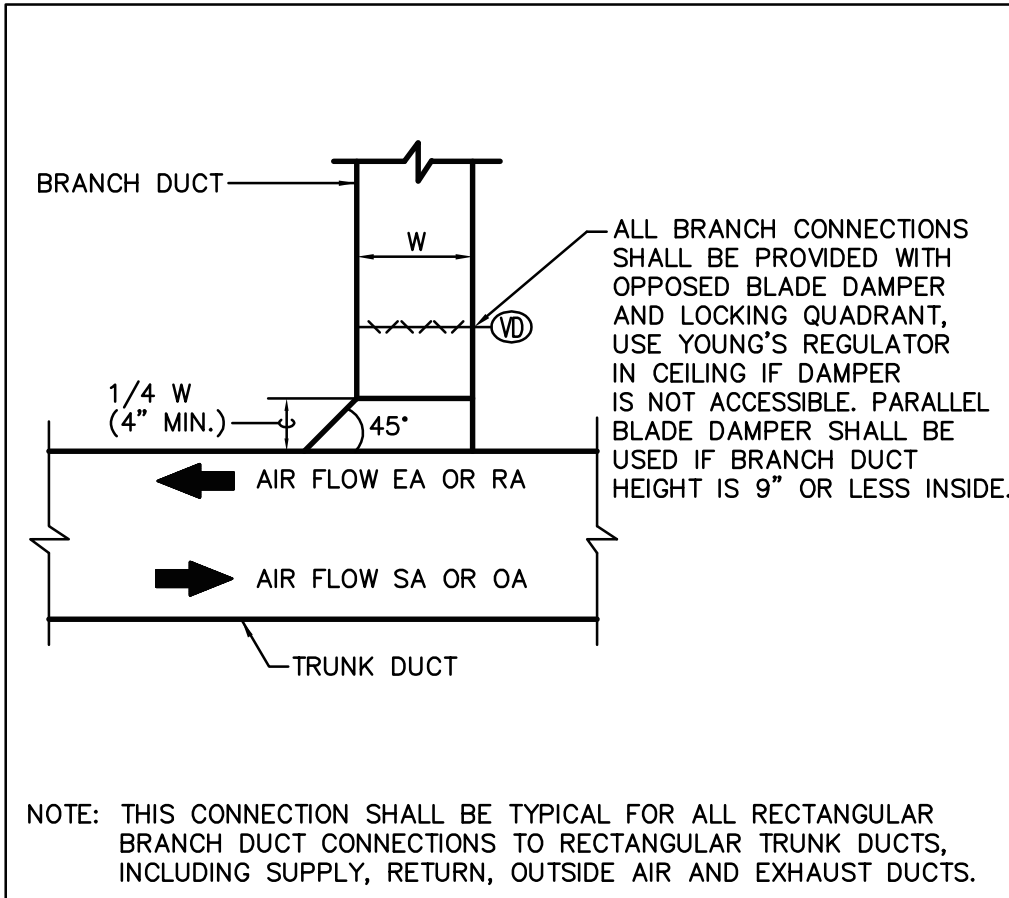
REVISION: SHEET NUMBER

M201
LEVEL 1
MECHANICAL PLAN

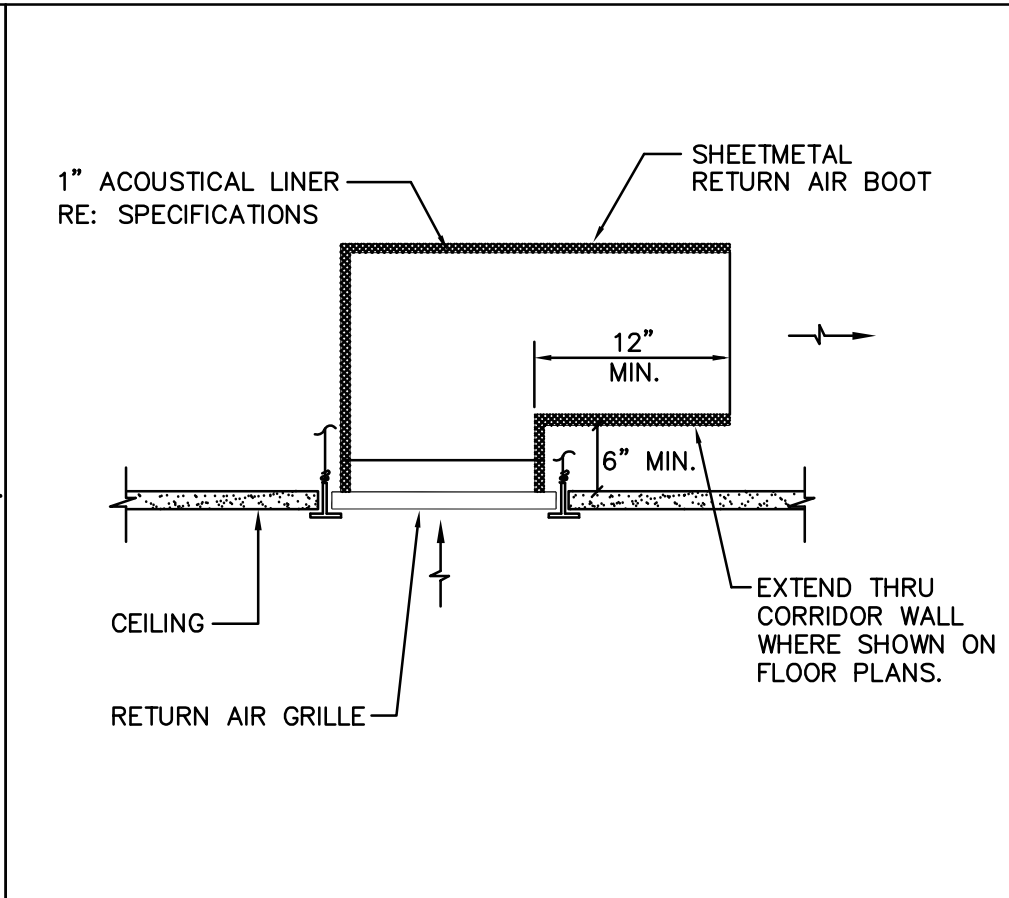
SET NO.

DBR
400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.688.5797 p
TBPE Firm Registration No. 2234

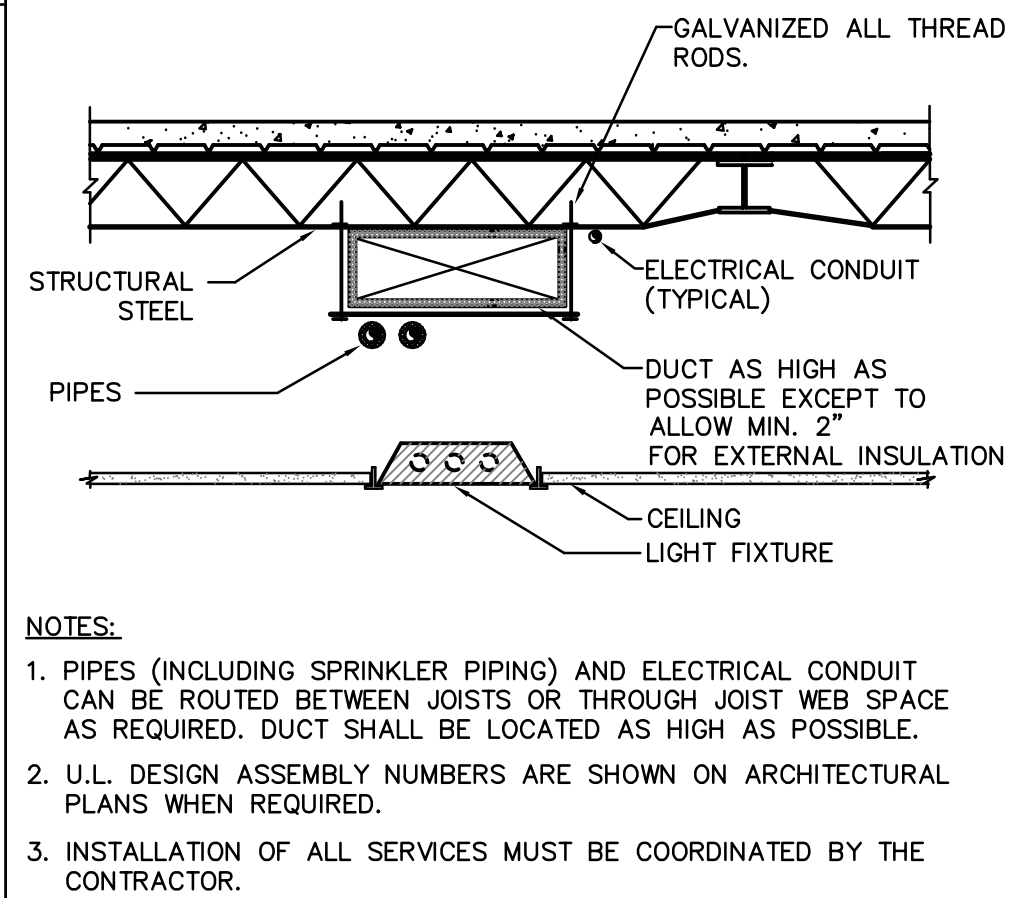
DBR Project Number		189005 000	
JT	MG	JB	TL



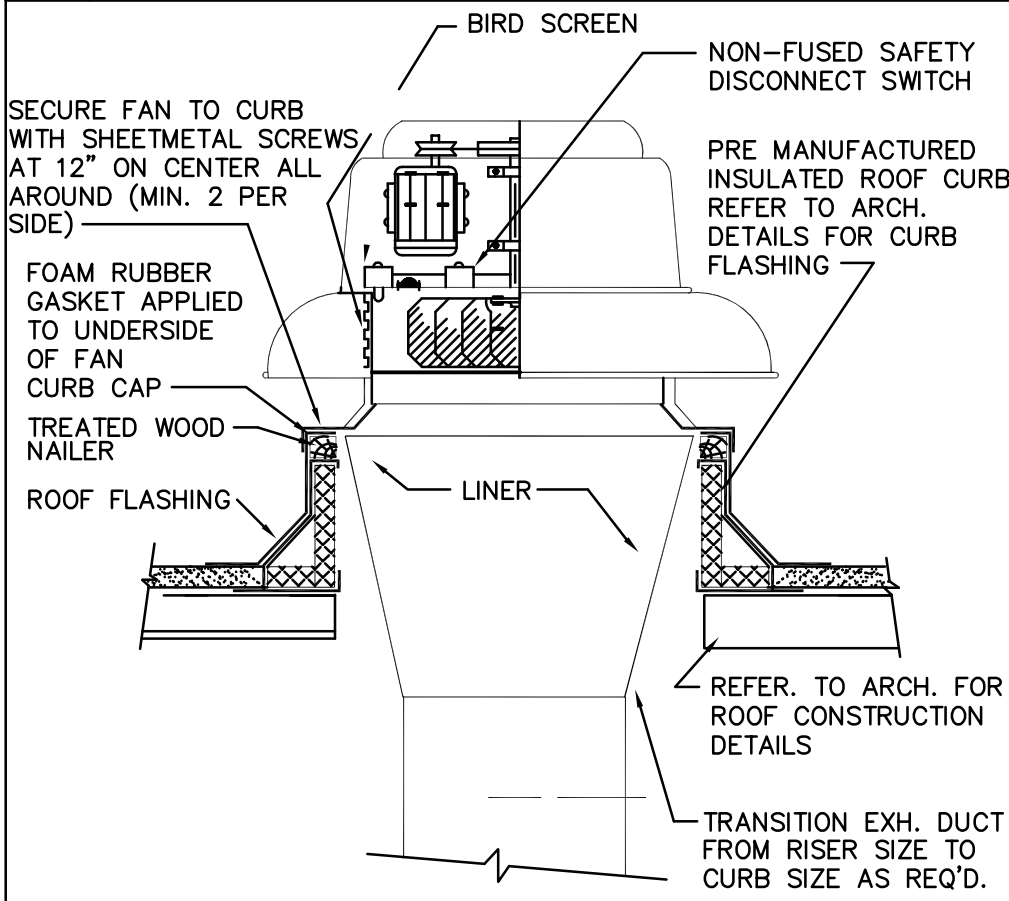
1 RECTANGULAR BRANCH DUCT TAP
NOT TO SCALE



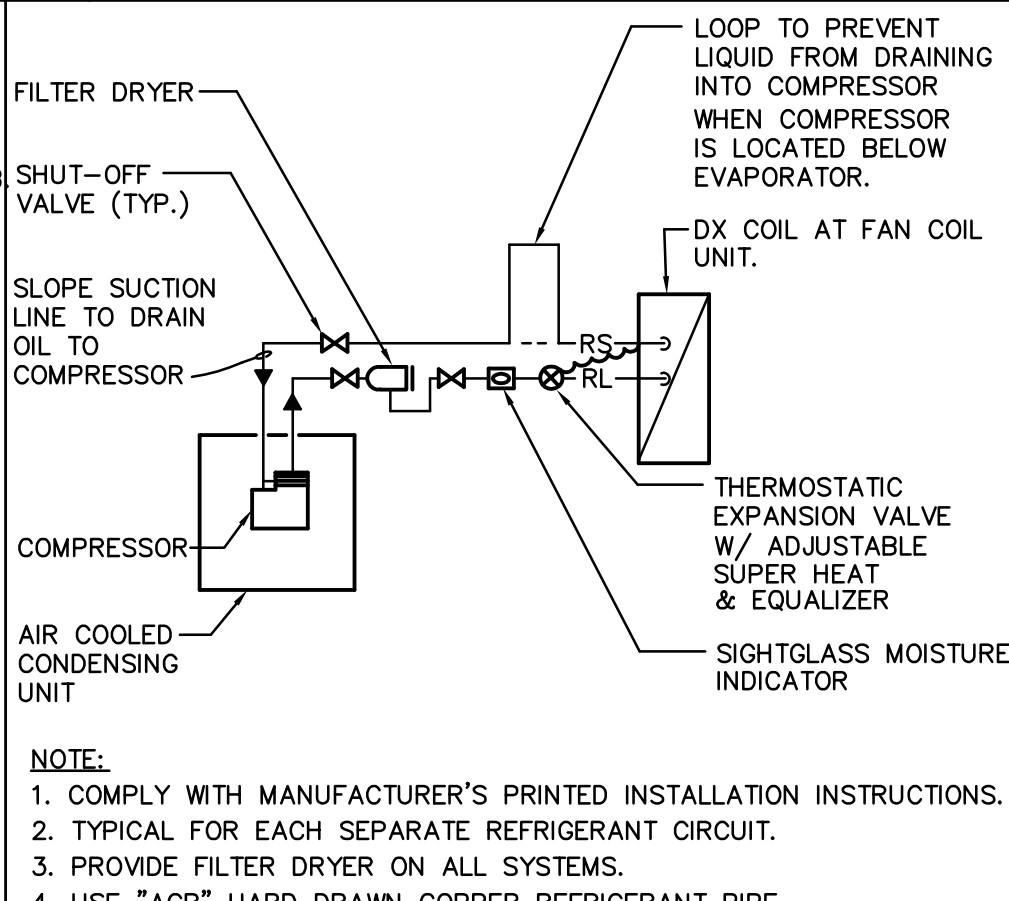
2 RETURN AIR BOOT AT GRILLE
NOT TO SCALE



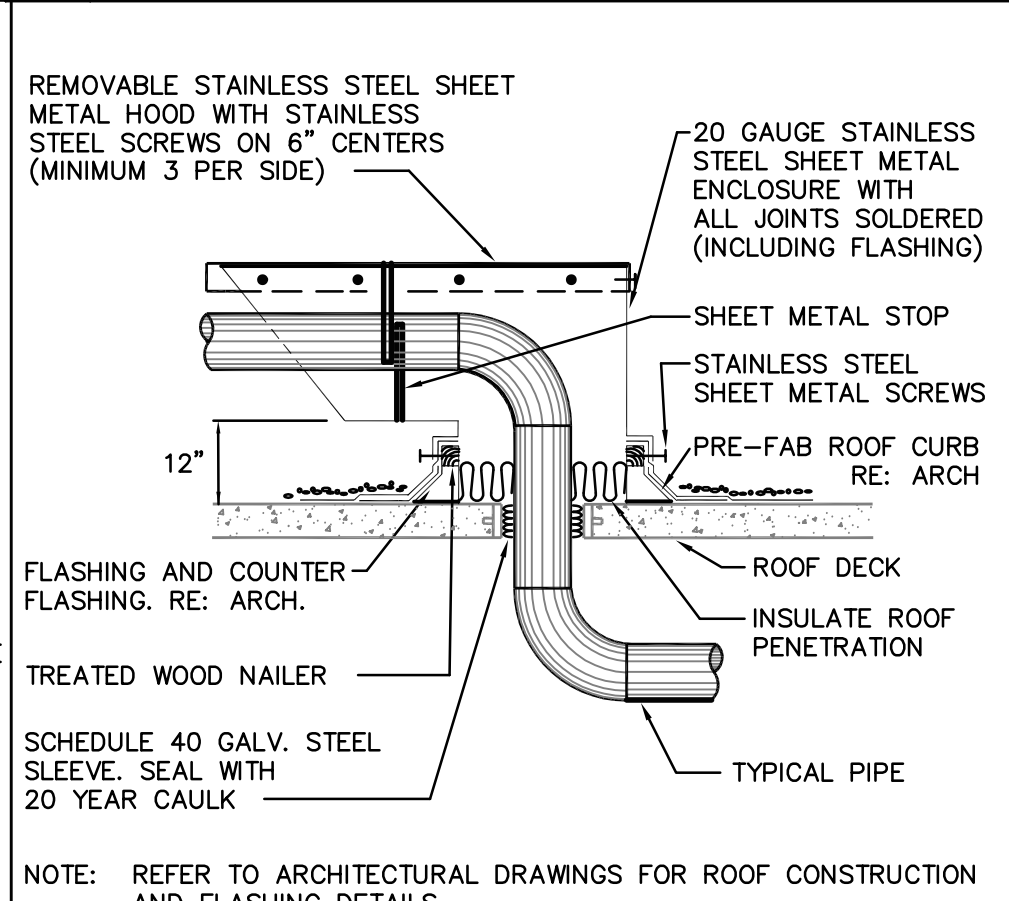
3 TYP. MEP INSTALLATION DETAIL
NOT TO SCALE



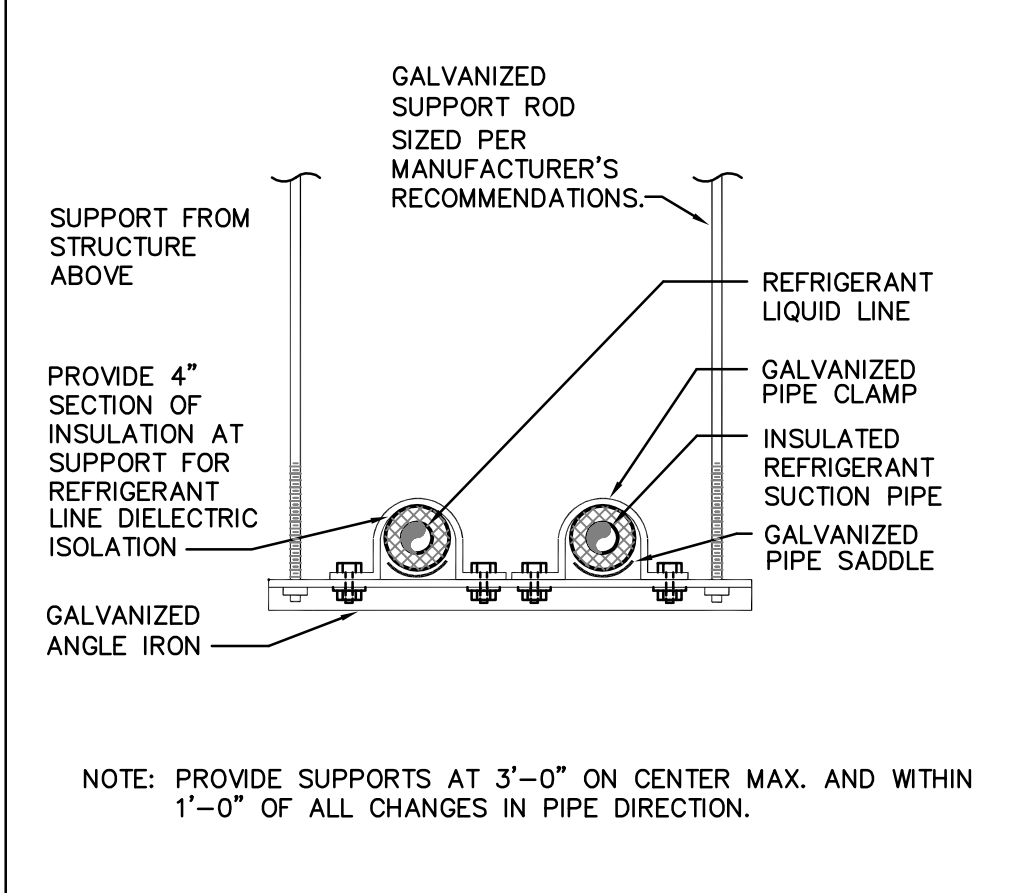
4 CENTRIFUGAL ROOF EXHAUST FAN
NOT TO SCALE



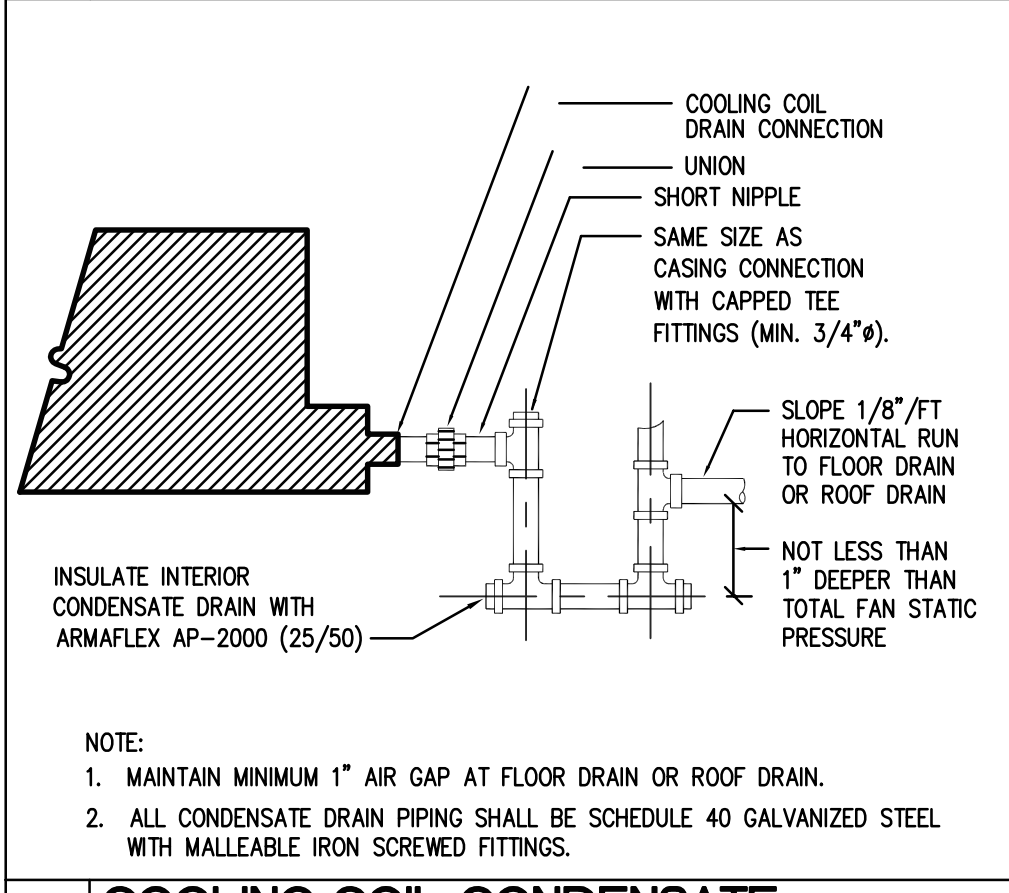
5 REFRIGERANT PIPING SCHEMATIC
NOT TO SCALE



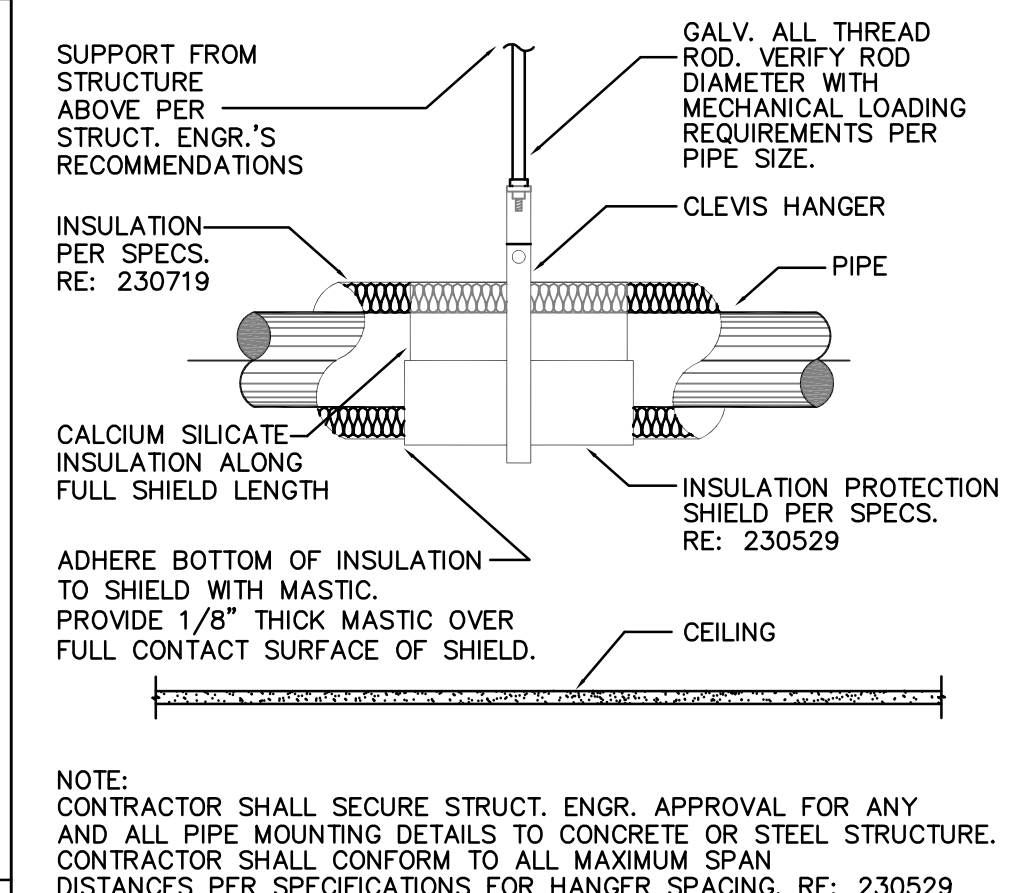
6 PIPING ROOF PENETRATION
NOT TO SCALE



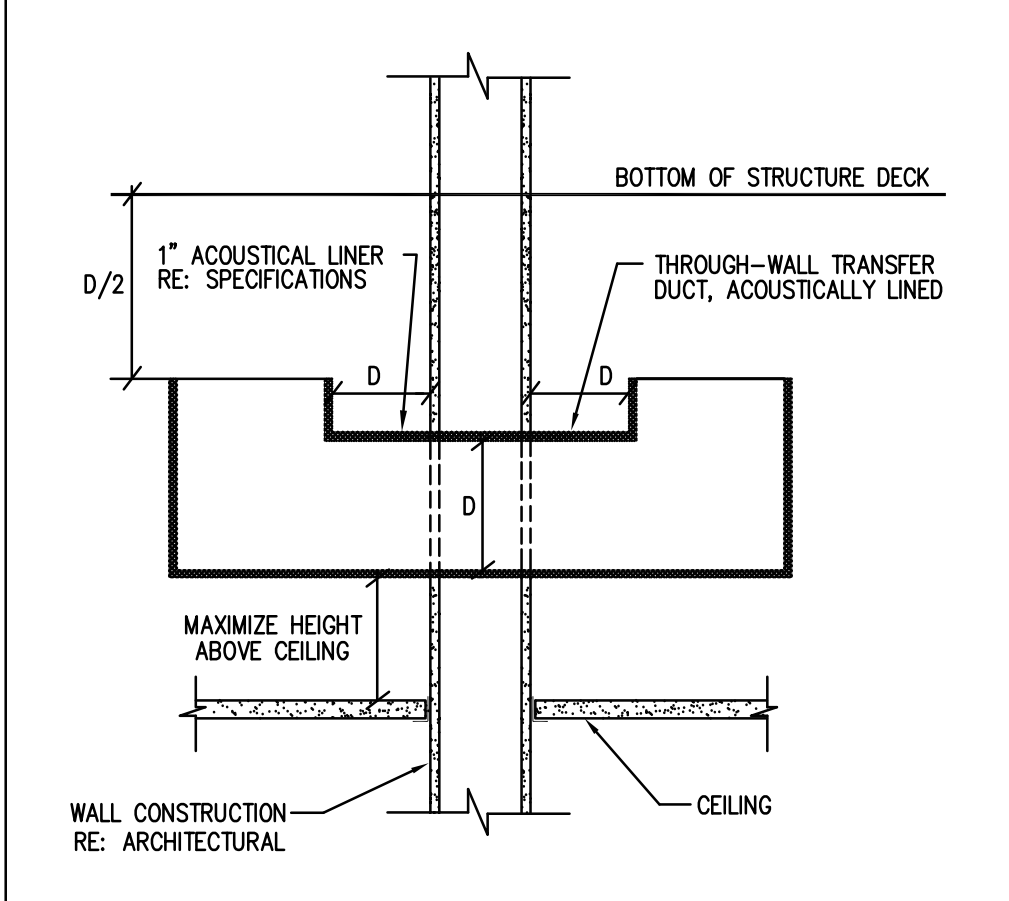
7 REFRIGERANT PIPE HANGER
NOT TO SCALE



8 COOLING COIL CONDENSATE DRAIN
NOT TO SCALE



9 PIPE HANGER DETAIL (1-PIPE)
NOT TO SCALE



10 RETURN AIR BOOT THRU WALL
NOT TO SCALE

DUCTLESS SPLIT SYSTEM SCHEDULE		
INDOOR UNIT	DS-1	DS-2
MARK	IDF	ELECTRICAL
SERVES	HIGH WALL	HIGH WALL
AIRFLOW (CFM)	350	350
TOTAL COOLING (MBH)	18	18
VOLTS/PHASE/HERTZ	208/1/60	208/1/60
MCA	1	1
MOCP	15	15
MANUFACTURER	DAIKIN	DAIKIN
MODEL NUMBER	PKA-A18	PKA-A18
MARK	DSCU-1	DSCU-2
VOLTS/PHASE/HERTZ	208/1/60	208/1/60
MCA	13	13
MOCP	20	20
MANUFACTURER	DAIKIN	DAIKIN
MODEL NUMBER	PUY-A18	PUY-A18
NOTES:	1, 2, 3	1, 2, 3

FAN SCHEDULE	
MARK	EF-1
SERVES	RESTROOMS
CFM	1,230
E.S.P. (IN W.G.)	0.375
TYPE	ROOF
DIRECT/BELT DRIVE	DIRECT
FAN RPM	1,036
MOTOR HORSEPOWER	1/8
VOLTS/PHASE/HERTZ	115/1/60
SONES	7.2
MANUFACTURER	COOK
MODEL NO.	135C10D
NOTES	1, 2, 3

AIR DEVICE SCHEDULE				
MARK	MANUFACTURER/MODEL	TYPE	NC	REMARKS
A	TITUS/TMS-AA	24"X24" SUPPLY	25	ALUMINUM CONSTRUCTION. NECK SIZES AS INDICATED BELOW UNLESS NOTED ON PLAN.
B	TITUS/50F	24"X24" EGGRATE RETURN	20	ALUMINUM CONSTRUCTION. PROVIDE DAMPER FOR EXHAUST.
C	TITUS/300FL	SIDEWALL SUPPLY	25	ALUMINUM CONSTRUCTION. SEE MECHANICAL PLAN FOR SIZE.
D	TITUS/50F	12"X12" EGGRATE RETURN	20	ALUMINUM CONSTRUCTION. PROVIDE DAMPER FOR EXHAUST.
NOTES:				
1. PROVIDE STANDARD WHITE FINISH FOR ALL AIR DEVICES UNLESS NOTED OTHERWISE ON PLAN.				
2. PAINT ALL SURFACES VISIBLE THROUGH FACE OF RETURN AIR GRILLES FLAT BLACK. THIS SHALL INCLUDE PIPING, CONDUIT, DUCTWORK, AND STRUCTURAL MEMBERS.				
3. PROVIDE FRAME FOR MOUNTING AIR DEVICE IN LAY-IN GRID CEILING UNLESS REFLECTED CEILING PLAN INDICATES HARD CEILING. IN AREAS WITH HARD CEILINGS, PROVIDE FRAMES FOR SURFACE MOUNTING.				
4. UNLESS OTHERWISE NOTED, BRANCH DUCTS SERVING AIR DEVICES SHALL BE SAME SIZE AS NECK OF AIR DEVICE.				
FOR ROUND NECK DIFFUSERS:				
6" DIA: 0-120 CFM				
8" DIA: 125-220 CFM				
10" DIA: 225-380 CFM				
12" DIA: 385-600 CFM				

1 MECHANICAL DETAILS AND SCHEDULES

M401 NOT TO SCALE

DBR
400 Mann Street Suite 602
Corpus Christi, Texas 78401
361.886.5717 • 361.886.5688 f
TBPE Firm Registration No. 2234

DBR Project Number 189005.000

JT MG JB TL --

LWA
ARCHITECTS

American Bank Plaza
711 N. Caranishua, Suite 404
Corpus Christi, Texas 78401

Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com

STATE OF TEXAS
JEFFREY D. TABB
87912
LICENSED ARCHITECT

05/22/2018

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 05/22/2018
DWG BY: DBR
CKD BY: DBR
JOB NO: 1706

REVISION:
SHEET NUMBER

M401
MECHANICAL
DETAILS AND
SCHEDULES

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DATE: 05/22/2018
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REVISION:
SHEET NUMBER

M401
MECHANICAL
DETAILS AND
SCHEDULES

SET NO.

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ABBREVIATIONS

A	AMPERES
ABV	ABOVE
AC	AIR CONDITIONING
ACC	ALTERNATING CURRENT, AIR COMPRESSOR, ABOVE COUNTER
ACC	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPERE FUSE, AMPERE FRAME
AFG	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	AMPERE INTERRUPT CAPACITY
AL	ALUMINUM
AM	AMMETER
AMP	AMPLIFIER
ANN	ANNUNCIATOR
AP	ACCESS PANEL, ALARM PANEL
ARCH	ARCHITECT, ARCHITECTURAL
ASC	AMPERES SHORT CIRCUIT
AT	AMPERE TRIP RATING
ATS	AUTOMATIC TRANSFER SWITCH
AVG	AVERAGE
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
B	BUILDING AUTOMATION SYSTEM
BC	BELOW COUNTER
BKR	BREAKER
BLOG	BUILDING
C	CONDUIT, CELSIUS
CATV	CABLE TELEVISION SYSTEM
CCTV	CLOSED CIRCUIT TELEVISION
CWP	CONDENSER WATER PUMP
CH	CHILLER
CHP	CHILLED WATER PUMP
CIRC	CIRCULATING
CRT	CIRCUIT
CL	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS CONTINUATION
CONTR	CONTROLLER, CONTRACTOR
CP	CIRCULATING PUMP
CPUC	CPU CHILLER
CR	CARD READER, CORD REEL
CRU	CONDENSATE RETURN UNIT
CT	CURRENT TRANSFORMER, COOLING TOWER
CTR	CENTER
CU	COPPER
D	DECIBEL
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DTL	METAL
DA	DIAMETER
DM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DP	DISTRIBUTION PANEL
DPDT	DOUBLE-POLE, DOUBLE-THROW
DPST	DOUBLE-POLE, SINGLE-THROW
DR	DROPPED RECEPTACLE
DS	DAYLIGHT SENSOR
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DXFC	DX FAN COIL UNIT
DC	DAYLIGHT ZONE
E	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR
E.C.	EMPTY CONDUIT
EDF	ELECTRIC DRINKING FOUNTAIN
EF	EXHAUST FAN
EFF	EFFICIENCY
EHC	ELECTRIC HEATING COIL
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMCS	ENERGY MANAGEMENT AND CONTROLS SYSTEM
EMERG	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
ENCL.	ENCLOSURE
ENGR	ENGINEER
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
(ER)	EXISTING TO REMAIN
ELH	ELECTRIC UNIT HEATER
EW	ELECTRIC WATER HEATER
EXH	EXHAUST
F	FAHRENHEIT, FAN, FIRE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FCL	FAN COIL UNIT
FF	FURNITURE FEED
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FLUOR	FLUORESCENT
FP	FIRE PUMP, FAN POWERED
FPFB	FAN POWERED TERMINAL BOX
FRZR	FREEZER
FS	FUSED SWITCH, FLOW SWITCH
FSD	MOTORIZED FIRE SMOKE DAMPER
FT	FOOT, FEET
FTL	FEED-THRU LUGS
FUT	FUTURE
FVNR	FULL-VOLTAGE, NON-REVERSING
G	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GTD	GENERATOR TRANSFER DEVICE
GUH	GAS UNIT HEATER
H	HEATING, AIR CONDITIONING RATED CIRCUIT BREAKER
HGR	HEATING, AIR CONDITIONING RATED CIRCUIT BREAKER
HD	ELECTRIC HAND DRIVER
HD	HIGH INTENSITY DISCHARGE
HQA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HS	HAND SET
HSC	HAND SCANNER
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HVU	HEATING/ VENTILATING UNIT
HWB	HOT WATER BOILER
HWC	HOT WATER CIRCULATOR
HWP	HEATING WATER PUMP
HZ	HERTZ
I	INSIDE DIAMETER
ID	INSIDE DIAMETER
IG	ISOLATED GROUND
IN	INCH
INCAND	INCANDESCENT
INT	INTERNAL, INTERIOR
J	JUNCTION BOX
JB	JUNCTION BOX
JP	JOCKEY PUMP
K	KITCHEN EQUIPMENT CONTRACTOR
KEC	KITCHEN EQUIPMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT-AMPS
KW	KILOWATT
KWH	KILOWATT-HOUR
L	LIGHT EMITTING DIODE
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
LRA	LOCKED ROTOR AMPS
LTD	LIGHTING
LTV	LOW VOLTAGE TRANSFORMER
LVL	LEVEL
M	METER
M	MASTER ALARM PANEL
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MCH	MECHANICAL
MFR	MANUFACTURER
MH	METAL HALIDE
MC	MICROPHONE
MIN	MINIMUM
MLO	MAN LUGS ONLY
MOPC	MAXIMUM OVER-CURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MNTD	MOUNTED
MV	MERCURY VAPOR
N	NEMA 3R ENCLOSURE
N3R	NEMA 3R ENCLOSURE
N4X	NEMA 4X ENCLOSURE
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFS	NON-FUSED SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NO	NUMBER
NTS	NOT TO SCALE
O	OUTSIDE AIR FAN
OAF	OUTSIDE AIR FAN
OAHU	OUTSIDE AIR HANDLING UNIT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHE	OVERHEAD ELECTRICAL
OPG	OPENING
P	POLE, PUMP
P	PUSH-BUTTON
PB	PUSH-BUTTON
PC	PHOTOCELL
PH	PHASE
PL	PILOT LIGHT
PLBG	PLUMBING
PNEU	PNEUMATIC
PNL	PANEL
POS	POINT OF SALE
PP	POWER POLE
PR	PAIR
PRI	PRIMARY
PS	PHOTOSENSOR
PVC	POLYVINYL CHLORIDE
PWR	POWER
Q	QUANTITY
QTY	QUANTITY

ELECTRICAL SYMBOLS

MOTORS AND CONTROLS

Ⓢ SINGLE OR THREE PHASE MOTOR NUMBER INDICATES HORSE POWER

Ⓛ ELECTRIC DUCT HEATER

Ⓛ DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED "NRP" DENOTES NEMA 3R

Ⓛ ENCLOSED CIRCUIT BREAKER "200/3/150" DENOTES AMPERES/POLE/TRIP

Ⓛ MOTOR STARTER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 28

Ⓛ COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER "300/15/0" DENOTES AMPERES/POLES/FUSE/ STARTER SIZE, "NF" DENOTES NON-FUSED, FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 28

Ⓛ VARIABLE FREQUENCY DRIVE PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 28

Ⓛ EMERGENCY POWER OFF BUTTON

RACEWAYS AND WIRING

Ⓛ CAP AND STRIKE

Ⓛ CONDUIT CONCEALED IN WALL OR CEILING

Ⓛ CONDUIT UNDERSLAB OR UNDERGROUND

Ⓛ EMERGENCY CONDUIT

Ⓛ EXPOSED CONDUIT

Ⓛ UNDERGROUND CONDUIT, "TOP" DENOTES DUCT/BANK ENCASED IN CONCRETE

Ⓛ OVERHEAD ELECTRIC PRIMARY UTILITY POWER LINE

Ⓛ CONDUIT TURNED UP

Ⓛ CONDUIT TURNED DOWN

Ⓛ HASH MARKS INDICATE NUMBER OF CONDUCTORS

Ⓛ LEFT TO RIGHT PHASE/NEUTRAL/SWITCH LEG/GROUND/ISOLATED GROUND

Ⓛ NO HASH MARKS INDICATES 20-12, PLUS GROUND, UNLESS NOTED OTHERWISE

Ⓛ HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED

Ⓛ PARTIAL CIRCUIT HOMERUN TO PANEL

Ⓛ COMMUNICATIONS CONDUIT OR CABLE

Ⓛ "C" DENOTES MASTER CLOCK

Ⓛ "CA" DENOTES MASTER CLOCK

Ⓛ "CR" DENOTES CASH REGISTER

Ⓛ "D" DENOTES DATA

Ⓛ "FAC" DENOTES FIRE ALARM

Ⓛ "F" DENOTES INTERCOM

Ⓛ "ONE" DENOTES OVERHEAD ELECTRICAL LINE

Ⓛ "PA" DENOTES PAGING

Ⓛ "S" DENOTES SECURITY

Ⓛ "T" DENOTES TELEPHONE

Ⓛ "V" DENOTES VIDEO

Ⓛ TELECOMMUNICATIONS CABLE TRAY TO BE CONCEALED ABOVE ACCESSIBLE CEILING

MISCELLANEOUS

Ⓛ SHADED SYMBOLS INDICATE EXISTING DEVICES TO REMAIN, UNLESS OTHERWISE NOTED

Ⓛ INDICATES WALL-MOUNTED WHEN ATTACHED TO ANY SYMBOL

Ⓛ DRAWING NOTE REFERENCE

Ⓛ STARTER/DISCONNECT SCHEDULE REFERENCE

Ⓛ FEEDER SCHEDULE REFERENCE

Ⓛ LIGHTING CONTACTOR

Ⓛ TIME SWITCH

Ⓛ PHOTOCELL

Ⓛ PUSH BUTTON/DOOR BELL

Ⓛ TIMECLOCK

Ⓛ RELAY

Ⓛ AREA OF RESCUE ASSISTANCE

Ⓛ BELL

FIRE ALARM

Ⓛ WATER FLOW SWITCH

Ⓛ SUPERVISORY SWITCH

Ⓛ SMOKE DETECTOR - MULTI CRITERIA DETECTOR

Ⓛ SMOKE DETECTOR - "ID" INDICATES IN DUCT TYPE

Ⓛ "AS" INDICATES AIR SAMPLING TYPE

Ⓛ "AC" INDICATES ABOVE CEILING

Ⓛ "BF" INDICATES BELOW FLOOR

Ⓛ HEAT DETECTOR

Ⓛ BEAM DETECTOR TRANSMITTER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT

Ⓛ BEAM DETECTOR RECEIVER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT

Ⓛ FIRE ALARM SPEAKER / CEILING MOUNT

Ⓛ FIRE ALARM SPEAKER STROBE / CEILING MOUNTED

Ⓛ FIRE ALARM SPEAKER STROBE / WALL MOUNTED

Ⓛ FIRE ALARM SPEAKER / WALL MOUNTED

Ⓛ MAGNETIC DOOR HOLDER

Ⓛ AUXILIARY CONTROL RELAY

Ⓛ FIRE ALARM PULL STATION 4x2 AFF

Ⓛ FIREMAN'S TELEPHONE JACK 4x2 AFF

Ⓛ AUDIO VISUAL FIRE ALARM HORN STROBE - 40" AFF, 1575cd U.N.O.

Ⓛ VISUAL FIRE ALARM (STROBE) CEILING MOUNT - 1575cd U.N.O.

Ⓛ VISUAL FIRE ALARM (STROBE) WALL MOUNT 40" AFF, 1575cd U.N.O.

Ⓛ AUDIO FIRE ALARM HORN 40" AFF

Ⓛ FIRE ALARM CONTROL PANEL

Ⓛ REMOTE FIRE ALARM ANNUNCIATOR PANEL

Ⓛ FIRE FIGHTER HANDSET

Ⓛ REMOTE POWER SUPPLY FOR AUDIO/VISUAL FIRE ALARM DEVICES

Ⓛ FIRE SMOKE DAMPER

COMMUNICATIONS

Ⓛ ALL OUTLET BOXES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE

Ⓛ THE FOLLOWING NOTATIONS REFER TO ALL COMMUNICATIONS OUTLETS

Ⓛ "FAX" DENOTES OUTLET DEDICATED FOR A FAX

Ⓛ "W" DENOTES WALL PHONE SHALL BE MOUNTED AT 42" A.F.F.

Ⓛ "PAY" DENOTES PAY PHONE SHALL BE MOUNTED 42" A.F.F.

Ⓛ SCHOOL INTERCOMMUNICATION SYSTEM HANDSET

Ⓛ INDICATES THE LOCATION OF A NEW TECHNOLOGY WALL OUTLET

Ⓛ PROVIDE DUAL GANG BACK BOX, REFERENCE TECHNOLOGY SHEET FOR CONTENT

Ⓛ MICROPHONE FLOOR OUTLET, "W" INDICATES WALL MOUNTED

Ⓛ "F" INDICATES FLOOR MOUNTED

Ⓛ "H" INDICATES HANGING MOUNTED

Ⓛ CEILING MOUNTED SPEAKER, "VC" INDICATES VOLUME CONTROL ON SPEAKER

Ⓛ WALL MOUNTED SPEAKER

Ⓛ "L" INDICATES LOCAL SOUND REINFORCEMENT

Ⓛ SCHOOL INTERCOMMUNICATION SYSTEM CALL-IN PUSH BUTTON

Ⓛ BELL, BUZZER OR CHIME AT 80" A.F.F.

Ⓛ VOLUME CONTROL - WALL MOUNTED

Ⓛ AUXILIARY INPUT JACK, "W" INDICATES WALL MOUNTED

Ⓛ "F" INDICATES FLOOR MOUNTED

Ⓛ "H" INDICATES HANGING MOUNTED

Ⓛ "HIGH" PORTION OF "HIGH/LOW" OUTLETS, REFER TO OUTLET DETAIL

Ⓛ "LOW" PORTION OF "HIGH/LOW" OUTLETS, REFER TO OUTLET DETAIL

ONE LINE AND RISER DIAGRAMS

Ⓛ TRANSFORMER, TYPE AND RATINGS AS NOTED

Ⓛ SWITCH, RATING AS SHOWN

Ⓛ FUSE, RATING AS SHOWN

Ⓛ CIRCUIT BREAKER, RATING AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE, "CL" DENOTES CURRENT LIMITING

Ⓛ DRAWOUT CIRCUIT BREAKER, RATINGS AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE

Ⓛ SHUNT TRIP

Ⓛ GROUND FAULT RELAY

Ⓛ KIRKKEY INTERLOCK

Ⓛ DIGITAL METER

Ⓛ AMMETER, RANGE AS SHOWN

Ⓛ AMMETER SWITCH

Ⓛ VOLT-METER, RANGE AS SHOWN

Ⓛ VOLT-METER SWITCH

Ⓛ WATT-HOUR METER, "D" DENOTES DEMAND REGISTER "15" DENOTES MINUTES OF DEMAND INTERVAL

Ⓛ CURRENT TRANSFORMER, RATED AS SHOWN

Ⓛ POTENTIAL TRANSFORMER, RATING AS SHOWN

Ⓛ GROUND CONNECTION

Ⓛ LIGHTING ARRESTOR

Ⓛ GENERATOR SET

Ⓛ AUTOMATIC TRANSFER SWITCH

Ⓛ BUS DUCT PLUG

Ⓛ TRANSIENT VOLTAGE SURGE SUPPRESSOR

Ⓛ ELECTRICAL METER

Ⓛ SURGE PROTECTION DEVICE

RECEPTACLES AND OUTLETS

Ⓛ ALL RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE

Ⓛ SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V

Ⓛ DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V

Ⓛ "GFCI" DENOTES GROUND FAULT INTERRUPTER

Ⓛ "WP" DENOTES WEATHERPROOF

Ⓛ "IG" DENOTES ISOLATED GROUND

Ⓛ "TP" DENOTES SAFETY TYPE, (TAMPER PROOF)

Ⓛ "SPEC" DENOTES SPECIFIED RECEPTACLE

Ⓛ "USB" DENOTES RECEPTACLE WITH UNIVERSAL SERIAL BUS

Ⓛ "AC" DENOTES ABOVE COUNTER MOUNTING, SEE ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHT

Ⓛ "H" DENOTES HORIZONTALLY ORIENTED RECEPTACLE, SEE ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHT

Ⓛ DUPLEX WALL RECEPTACLE ON EMERGENCY CIRCUIT, RED COLOR

Ⓛ DUPLEX WALL RECEPTACLE ON A CIRCUIT DEDICATED TO DATA PROCESSING, GRAY COLOR, PROVIDE ISOLATED GROUND TYPE RECEPTACLES WHERE NOTED

Ⓛ SPLIT WIRED RECEPTACLE, TOP RECEPTACLE SHALL BE SWITCHED ACCORDING TO PLANS, AND BOTTOM SHALL REMAIN UNSWITCHED

Ⓛ CONTROLLED DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V

Ⓛ "SP" DENOTES SPLIT WIRED

Ⓛ FOURPLEX (DOUBLE DUPLEX) WALL RECEPTACLE, NEMA 5-20R, 20A, 125V

Ⓛ FOURPLEX WALL RECEPTACLE ON EMERGENCY CIRCUIT, RED COLOR

Ⓛ CONTROLLED FOURPLEX (DOUBLE DUPLEX) WALL RECEPTACLE, NEMA 5-20R, 20A, 125V

Ⓛ SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED

Ⓛ FLUSH ELECTRICAL FLOOR OUTLET, "P" DENOTES POKE-THRU

Ⓛ "D" INDICATES DUPLEX RECEPTACLE, "R" INDICATES RED RECEPTACLE ON EMERGENCY POWER, REFER TO FLOOR BOX SCHEDULE, FIRE RATED POKE-THROUGH SCHEDULE AND KEYED NOTES

Ⓛ MULTI-OUTLET SURFACE RACEWAY, SEE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHTS

Ⓛ JUNCTION BOX

Ⓛ "MD" DENOTES MOTOR DAMPER

Ⓛ "CR" DENOTES CORD REEL

Ⓛ "D" DENOTES DROP CORD RECEPTACLE

Ⓛ DUPLEX RECEPTACLE WITH HOMERUN

Ⓛ DUPLEX RECEPTACLE (PEDESTAL MOUNTED)

Ⓛ TWO-GANG CEILING OUTLET

Ⓛ TWO-GANG FLOOR OUTLET

Ⓛ THREE-GANG FLOOR OUTLET

Ⓛ POWER POLE

Ⓛ DIRECT CONNECTION TO EQUIPMENT

Ⓛ PULL BOX (OVER 4" SQUARE)

Ⓛ CLOCK RECEPTACLE TO BE MOUNTED 12" BELOW FINISHED CEILING, (2) DENOTES DOUBLE SIDED CLOCK

LIGHTING

Ⓛ LETTER(S) DENOTE TYPE, SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION

Ⓛ 2' X 4' LIGHTING FIXTURE

Ⓛ 2' X 2' LIGHTING FIXTURE

Ⓛ 1' X 4' LIGHTING FIXTURE

Ⓛ 1' X 2' LIGHTING FIXTURE

Ⓛ 1' X 1' LIGHTING FIXTURE

Ⓛ STRIP LIGHTING FIXTURES

Ⓛ STAGGERED STRIP LIGHTING FIXTURE

Ⓛ ROUND DOWNLIGHT FIXTURE

Ⓛ SQUARE DOWNLIGHT FIXTURE

Ⓛ WALL MOUNTED LIGHTING FIXTURE

Ⓛ TRACK LIGHTING FIXTURE, MOUNTED AS SHOWN ON LIGHTING FIXTURE SCHEDULE

Ⓛ CEILING MOUNTED EXIT SIGN, ARROWS AS INDICATED, SHADED AREA DENOTES FACE

Ⓛ WALL MOUNTED EXIT SIGN, ARROWS AS INDICATED, SHADED AREA DENOTES FACE

Ⓛ EMERGENCY WALL MOUNTED LIGHTING FIXTURE, BATTERY OPERATED UNLESS NOTED OTHERWISE

Ⓛ SECURITY WALL PACK

Ⓛ SITE LIGHTING FIXTURE

Ⓛ POST TOP FIXTURE/ACORN FIXTURE

Ⓛ BRACKET ARM INDICATES WALL MOUNT WITH ARM

Ⓛ EMERGENCY LIGHT FIXTURE WITH BATTERY PACK, PROVIDE WITH UNSWITCHED HOT FOR LOSS OF VOLTAGE AND CHARGING (SAME CIRCUIT AS NORMAL POWER LIGHTING), FIXTURES SHALL BE WIRED IN A MANNER AS TO ALLOW SWITCHING OF FIXTURES WITHOUT DISCHARGING THE EMERGENCY BATTERY, BATTERY PACK IS TO ONLY OPERATE IN THE EVENT OF A POWER OUTAGE

Ⓛ LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT, CIRCUIT NUMBER ADJACENT TO FIXTURE INDICATES EMERGENCY CIRCUIT CONNECTED TO FIXTURE, PROVIDE UNSWITCHED HOT, NEUTRAL AND GROUND FOR ALL EMERGENCY LIGHTING ORIGINATING FROM THE EMERGENCY CIRCUIT SHOWN

Ⓛ EMERGENCY "NIGHT LIGHT" LIGHT FIXTURE, LIGHT FIXTURE IS UNSWITCHED AND INTENDED FOR 24 HOUR OPERATION, FEED VIA UNSWITCHED HOT

Ⓛ DAYLIGHT ZONE/PRIMARY DAYLIGHT ZONE

Ⓛ SECONDARY DAYLIGHT ZONE

DRAWING/DETAIL REFERENCE KEY

Ⓛ REFER TO

Ⓛ DRAWING/DETAIL NUMBER

Ⓛ SHEET NUMBER

GENERAL NOTES

Ⓛ A. NOT ALL SYMBOLS SHOWN ON THIS SYMBOL LIST ARE USED IN THE CONTRACT DOCUMENTS

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

LWA

ARCHITECTS

American Bank Plaza
711 N. Garconville, Suite 404
Corpus Christi, Texas 78401

Phone: 361.884.7442
Fax: 361.883.1612

www.lwarchitects.com

STATE OF TEXAS
JEFFREY D. TABB
87912
05/22/2018

KEYPLAN

DATE: 05/22/2018
DWG BY: Author
CKD BY: Checker
JOB NO: 1706
REVISION:
SHEET NUMBER

E001
ELECTRICAL
SYMBOL LEGEND

SET NO.

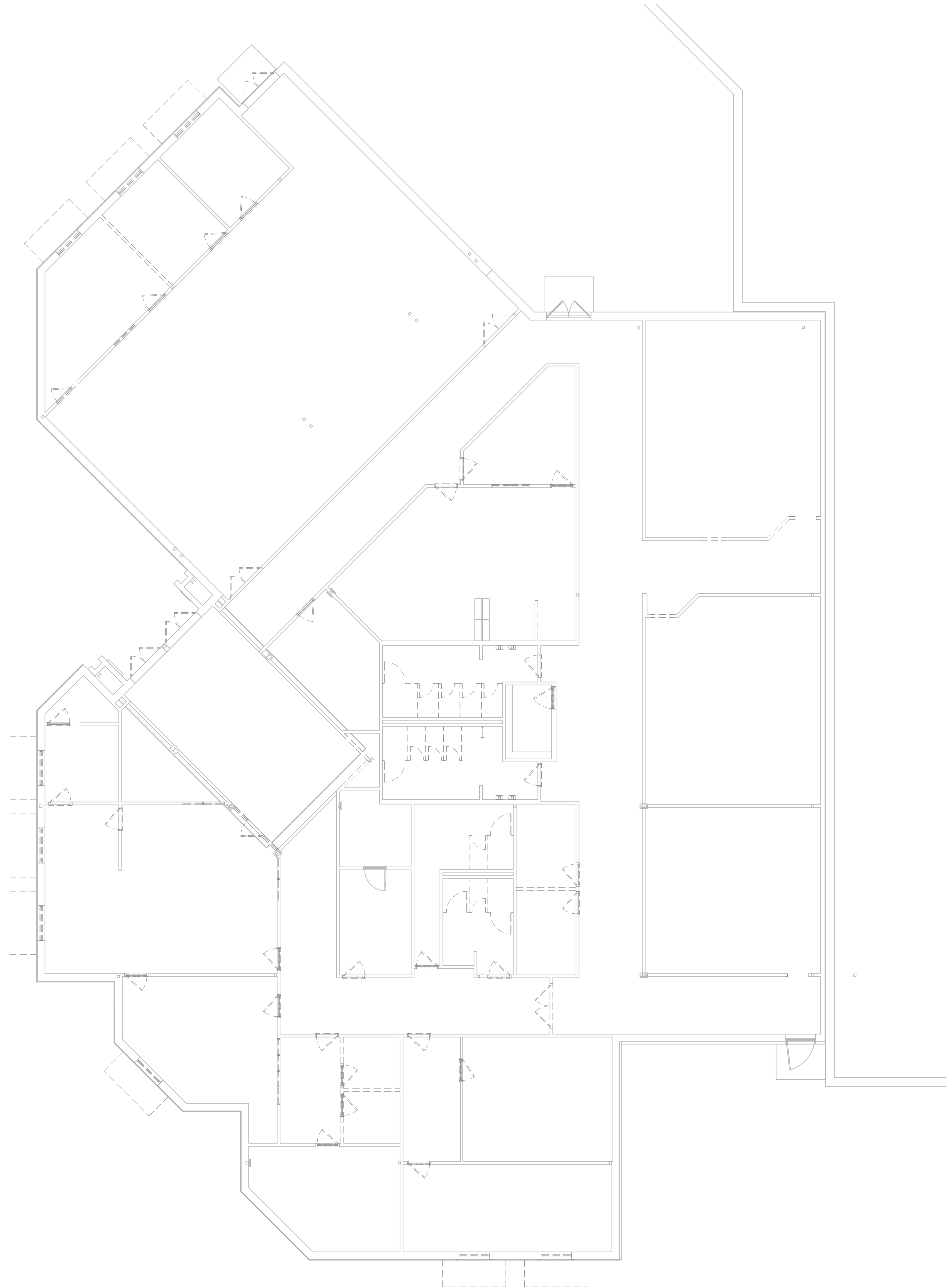
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400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.888.5797 p
TBPE Firm Registration No. 2234

DBR Project Number 189005.000

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1 LEVEL 1 LIGHTING DEMO PLAN
EL101
1/8" = 1'-0"

LIGHTING DEMOLITION GENERAL NOTES:

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE FIELD VERIFIED EXISTING JOB-SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE ALL LABOR AND MATERIAL CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, CONDUIT AND WIRING WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED, SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED.
- B. DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES IN AREA OF WORK UNLESS NOTED OTHERWISE. DISCONNECT AND REMOVE ALL CONDUIT AND WIRE BACK TO PANEL.
- C. CONTRACTOR SHALL REMOVE ALL EXISTING LIGHTING CONTROL DEVICES SUCH AS SWITCHES, DIMMER, ETC. DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRE.
- D. OWNER SHALL RESERVE THE RIGHT TO CLAIM ALL EQUIPMENT AND CABLING REMOVED DURING DEMOLITION.
- E. CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING RECEPTACLES, SWITCHES, DATA/TELEPHONE DROPS, FIRE ALARM DEVICES, PIA DEVICES, CONDUIT, AND WIRING. REMOVE CONDUIT AND WIRING BACK TO PANEL. REFER TO ARCHITECTURAL DEMO PLAN.
- F. CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING FIRE ALARM DEVICES. PROVIDE ADDITIONAL DEVICES AS REQUIRED PER NEW FIRE ALARM DESIGN. EXISTING FIRE ALARM CONTROL PANEL SHALL BE SALVAGED AND REINSTALLED. PROVIDE 120V POWER.
- G. ANY EXISTING CONDUIT NOT BEING REUSED ROUTED BELOW GRADE SHALL BE ABANDONED.
- H. ALL NEW LIGHT FIXTURES SHALL BE LOCATED PER NEW LIGHTING PLANS.
- I. CONTRACTOR SHALL REPORT ANY DAMAGED DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN TO THE OWNER BEFORE STARTING WORK. ALL DEVICES FOUND TO BE DAMAGED AT THE TIME OF SUBSTANTIAL COMPLETION THAT ARE NOT REPORTED PRIOR TO STARTING WORK SHALL BE REPLACED BY THE CONTRACTOR AT HIS COST.



DBR Project Number		189005.000		
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RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 05/22/2018
DWG BY: Author
CKD BY: Checker
JOB NO: 1706
REVISION:

SHEET NUMBER

EL101
LEVEL 1 LIGHTING
DEMO PLAN

SET NO.



American Bank Plaza
711 N. Garcaulus, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com



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1 LEVEL 1 LIGHTING PLAN
1/8" = 1'-0"

GENERAL LIGHTING NOTES

- A REFER TO E501 FOR LIGHT FIXTURE SCHEDULE.
- B REFER TO SHEET E601 FOR LIGHTING CONTROL WIRING DIAGRAMS, LIGHTING CONTROL DEVICE LEGEND AND LIGHTING CONTROL MATRIX.
- C ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.
- D MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE.
- E PROVIDE UNSWITCHED CIRCUIT TO ALL EXIT SIGNS.
- F CONTRACTOR SHALL INDICATE LIGHTING CIRCUIT CONTROLLED BY EACH SWITCH BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH SWITCH COVER PLATE.
- G SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING MOUNTED LIGHTING FIXTURES.
- H FIXTURES DESIGNATED "NL" SHALL BE UNSWITCHED NIGHTLIGHT.
- I PROVIDE ALL EMERGENCY LIGHT FIXTURES WITH UNSWITCHED HOT LEG AS DEFINED IN NEC 700.12

ELECTRICAL KEYNOTE LEGEND

- No. Note
- 1 TYPE 'G' FIXTURES SHALL BE MOUNTED ON TOP OF ARCHITECTURAL COVE FACING UP. COORDINATE EXACT LOCATION WITH ARCHITECT IN FIELD.

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 05/22/2018
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JOB NO: 1706

REVISION:
SHEET NUMBER
EL201
LEVEL 1 LIGHTING PLAN

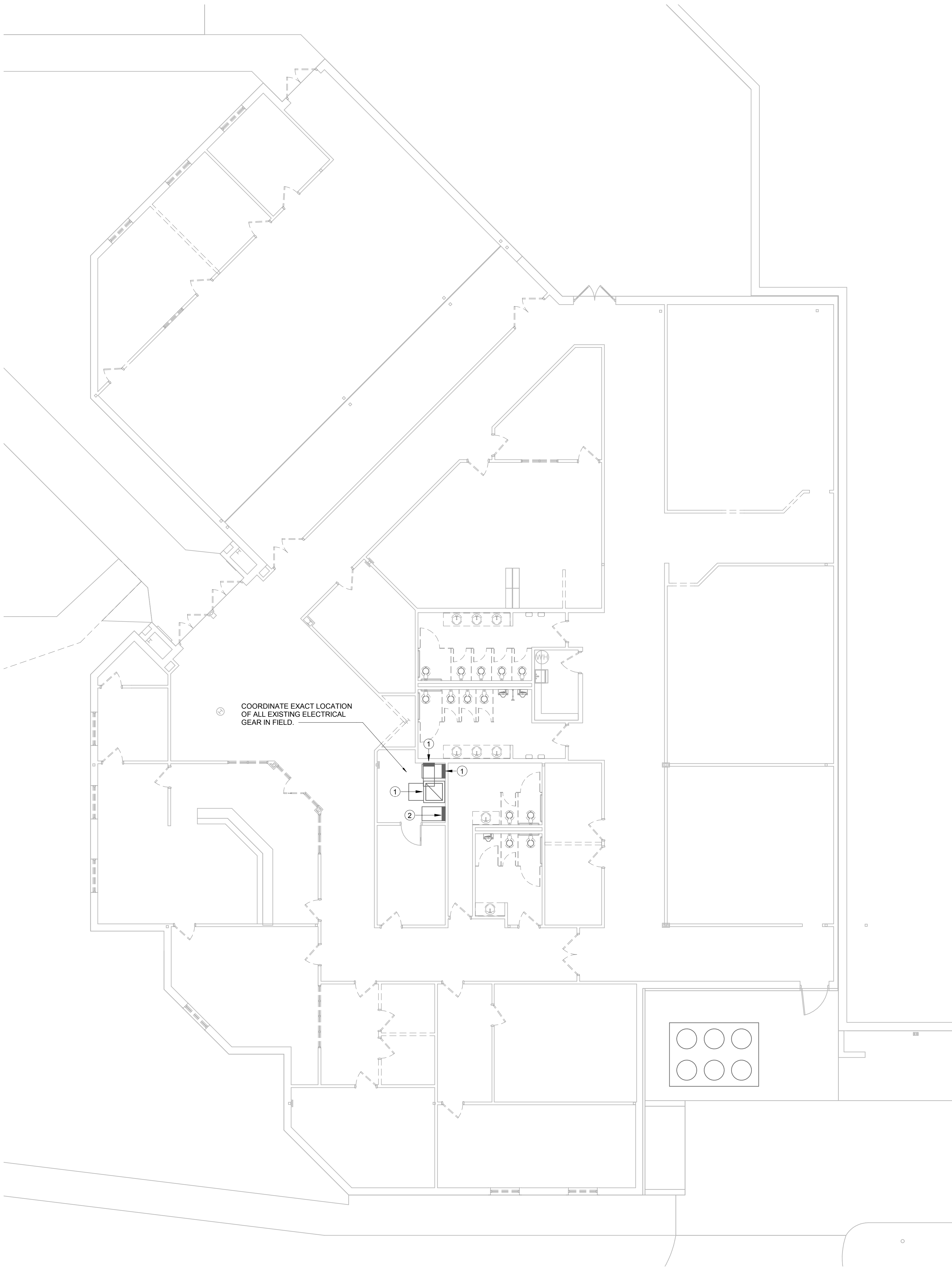
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1 LEVEL 1 POWER DEMO PLAN
EP101 1/8" = 1'-0"

#	No.	Note
1		ELECTRICAL PANELS, TRANSFORMER AND LIGHTING CONTROL PANEL ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. EXISTING FEEDERS SHALL REMAIN.
2		EXISTING PANEL 'R2' SHALL BE REPLACED WITH NEW PANEL. SEE ONE-LINE DIAGRAM. EXISTING FEEDER IS TO REMAIN. DISCONNECT AND REMOVE ALL EXISTING BRANCH CIRCUITS.

ELECTRICAL DEMOLITION GENERAL NOTES:

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE FIELD VERIFIED EXISTING JOB-SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE ALL LABOR AND MATERIAL CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, CONDUIT AND WIRING WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED, SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED.
- B. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL DEVICES IN AREA OF WORK UNLESS NOTED OTHERWISE. DISCONNECT AND REMOVE ALL CONDUIT AND WIRE BACK TO PANEL.
- C. CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EXISTING PREWIRED FURNITURE. REMOVE CONDUIT AND WIRING BACK TO LAST ACTIVE JUNCTION. ALL DATA CABLING SHALL BE REMOVED BACK TO LAST ACTIVE JUNCTION AND SALVAGED FOR REINSTALLATION.
- D. OWNER SHALL RESERVE THE RIGHT TO CLAIM ALL EQUIPMENT AND CABLING REMOVED DURING DEMOLITION.
- E. CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING RECEPTACLES, SWITCHES, DATA/TELEPHONE DROPS, FIRE ALARM DEVICES, P/A DEVICES, CONDUIT, AND WIRING. REMOVE CONDUIT AND WIRING BACK TO PANEL. REFER TO ARCHITECTURAL DEMO PLAN.
- F. CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING FIRE ALARM DEVICES. PROVIDE ADDITIONAL DEVICES AS REQUIRED PER NEW FIRE ALARM DESIGN. EXISTING FIRE ALARM CONTROL PANEL SHALL BE SALVAGED AND REINSTALLED. PROVIDE 120V POWER.
- G. ANY EXISTING CONDUIT NOT BEING REUSED ROUTED BELOW GRADE SHALL BE ABANDONED.
- H. ALL EQUIPMENT SHALL BE LOCATED PER NEW POWER PLANS. EXTEND ALL EXISTING FEEDERS AS REQUIRED FOR RELOCATION.
- I. CONTRACTOR SHALL REPORT ANY DAMAGED DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN TO THE OWNER BEFORE STARTING WORK. ALL DEVICES FOUND TO BE DAMAGED AT THE TIME OF SUBSTANTIAL COMPLETION THAT ARE NOT REPORTED PRIOR TO STARTING WORK SHALL BE REPLACED BY THE CONTRACTOR AT HIS COST.



American Bank Plaza
711 N. Garcaulus, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com



RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

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SHEET NUMBER

EP101
LEVEL 1 POWER
DEMO PLAN

SET NO.

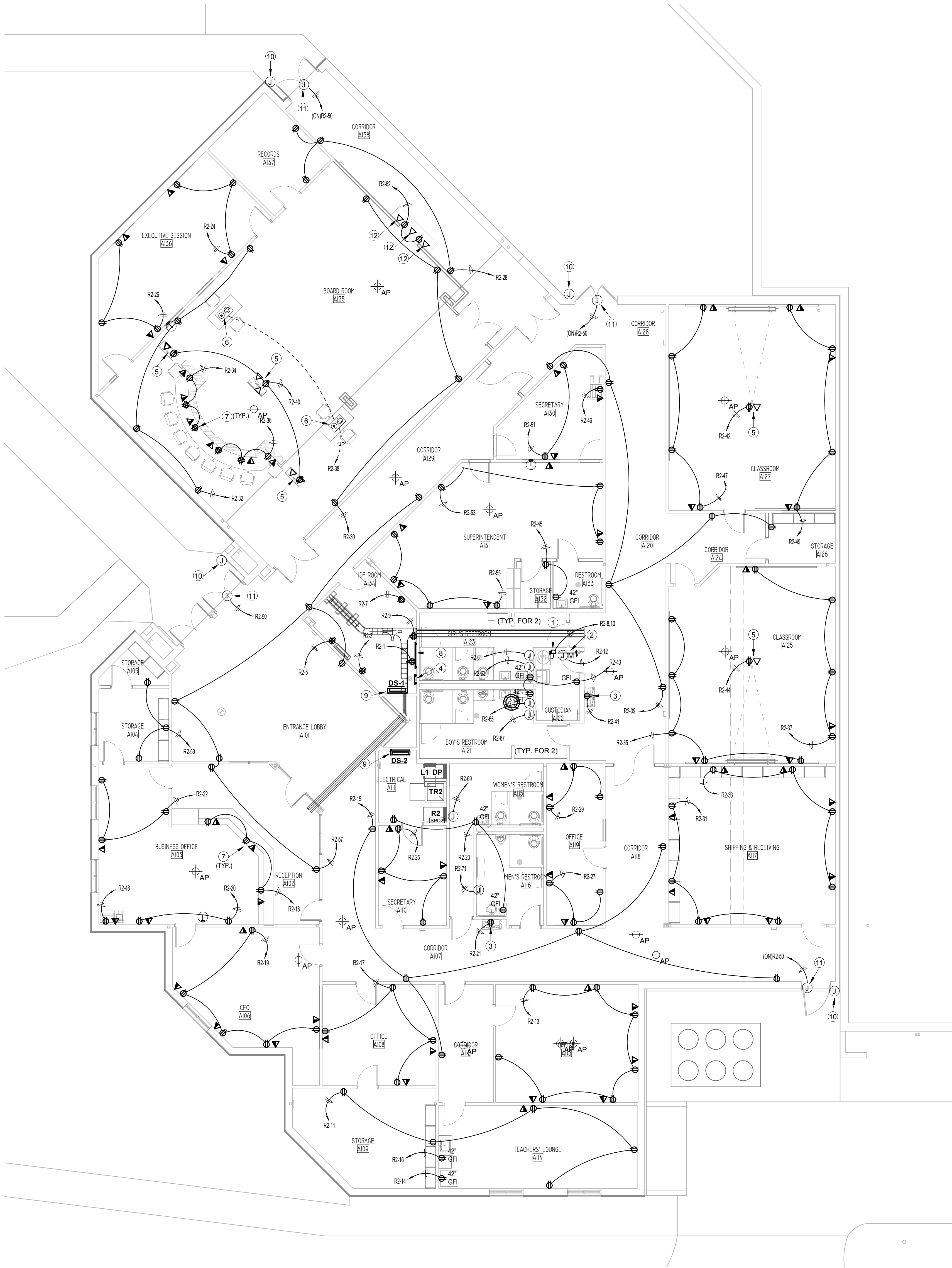


400 Mann Street, Suite 602
Corpus Christi, Tx 78401
361.888.5797 p
TBPE Firm Registration No. 2234

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1 LEVEL 1 POWER PLAN
EP201
1/8" = 1'-0"

GENERAL ELECTRICAL NOTES

- A ELECTRICAL CONTRACTOR SHALL GROUP HOMERUNS WITH THREE HOTS (A,B, AND C PHASE), AND #10 NEUTRAL TO PROVIDE MULTI-WIRE BRANCH CIRCUITS. NO MORE THAN 2 MULTI-WIRE HOMERUNS PER CONDUIT.
- B CONTRACTOR SHALL VERIFY DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL CASEWORK AND MILLWORK ELEVATIONS.
- C ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, JUNCTION BOXES FOR ALL TELEPHONE, DATA, CATV, SECURITY, AND CAMERA OUTLETS. REFER TO DIVISION 26 SPECIFICATIONS AND TECHNOLOGY DRAWINGS FOR ALL WORK REQUIRED.
- D ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL EXHAUST FAN CONTROLS. PROVIDE A FAN SWITCH IF INDICATED BY MECHANICAL. ALL EXHAUST FANS SHALL BE PROVIDED WITH BUILT-IN DISCONNECT SWITCH.
- E HVAC AND PLUMBING EQUIPMENT MAY DIFFER FROM LOCATIONS AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE EXACT LOCATIONS WITH MECHANICAL AND PLUMBING CONTRACTOR.
- F ALL RECEPTACLES MOUNTED ABOVE COUNTERS AND WITHIN 6 FEET OF SINKS OR LAVATORIES SHALL BE GFCI TYPE.
- G PROVIDE A DEDICATED HOT, NEUTRAL, AND GROUND FOR ALL COPY MACHINES.
- H CONTRACTOR SHALL PROVIDE HANDLE TIES MANUFACTURED BY THE SWITCH GEAR SUPPLIER ON ALL MULTI-WIRE CIRCUITS TO MEET THE REQUIREMENTS OF ARTICLE 210.4(B) OF THE 2011 NEC. AT THE CONTRACTOR'S OPTION, TWO AND THREE POLE BREAKERS MAY BE USED.
- I CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH RECEPTACLE COVER PLATE.
- J ELECTRICAL CONTRACTOR SHALL ROUTE ELECTRICAL CONDUIT AND WIRING TO ALL ROOF HVAC EQUIPMENT THROUGH ROOF CURBS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- K CONTRACTOR SHALL ARRANGE PANELBOARDS IN ELECTRICAL ROOM TO PROVIDE CLEARANCE PER NEC 110.26.
- L MECHANICAL CONTRACTOR SHALL FURNISH INTEGRAL DISCONNECT SWITCH FOR ALL MECHANICAL EQUIPMENT. ELECTRICAL CONNECTIONS SHALL BE PROVIDED BY DIVISION 26.
- M VAVS WITH DAMPER ONLY SHALL BE CONNECTED BY MECHANICAL CONTRACTOR.
- N REFER TO RESPECTIVE SIDE OF THE BOUNDARY MATCHLINE FOR THE APPROPRIATE FLOOR PLAN KEYED NOTES.
- O PROVIDE JUNCTION BOX AND POWER FOR ALL HARD WIRED PLUMBING FLUSH VALVES AND SENSOR EQUIPMENT TRANSFORMERS FROM NEAREST 120V/20A CIRCUIT. COORDINATE WITH PLUMBER PRIOR TO ROUGH-IN FOR EXACT LOCATION.
- P ALL MOTORIZED DAMPERS SHALL BE CONNECTED TO CIRCUIT XX-XX
- Q ALL RECEPTACLES LOCATED IN RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, ELEVATOR PITS OR SHAFTS, ELEVATOR EQUIPMENT ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP OR IN A KITCHEN OR COFFEE BAR SHALL BE GFCI. EACH GFCI PROTECTED RECEPTACLE SHARING THE SAME CIRCUIT SHALL HAVE ITS OWN RE-SET AND TEST BUTTON.
- R ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.

ELECTRICAL KEYNOTE LEGEND

No.	Note
1	208V, 30A/2P, NEMA 1, N.F. DISCONNECT SWITCH FOR WATER HEATER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING.
2	PROVIDE 120V, MOTOR RATED TOGGLE SWITCH AND CIRCUIT FOR CIRC PUMP. EXTEND CIRCUIT TO TIME SWITCH AND CONNECT AS REQUIRED. COORDINATE EXACT LOCATION OF EQUIPMENT AND REQUIREMENTS WITH PLUMBING.
3	MOUNT RECEPTACLES IN CAVITY OF WATER COOLER. PROVIDE REMOTE GFI RESET BUTTON. SEE DETAIL 8/E401.
4	PROVIDE GROUND BUS BAR. SEE DETAIL 5/E401.
5	DEVICES MOUNTED IN RECESSED CEILING BOX. PROVIDE CHIEF #CMS491 RECESSED BOX (OR EQUAL). COORDINATE EXACT LOCATION WITH OWNER IN FIELD.
6	PROVIDE FLUSH MOUNTED FLOOR BOX. WIREMOLD EVOLUTION SERIES EFB6 (OR EQUAL). PROVIDE TWO DUPLEX RECEPTACLES AND PROVISIONS FOR DATA OUTLETS. PROVIDE 3/4" UNDER SLAB TO NEAREST WALL, UP WALL TO PANEL AND CIRCUIT INDICATED. PROVIDE ONE 2" CONDUIT UNDER SLAB TO NEAREST WALL, UP WALL TO ACCESSIBLE LOCATION ABOVE CEILING FOR DATA CABLING. TRENCH AND REPAIR EXISTING CONCRETE FLOOR AS REQUIRED AND PER ARCHITECT'S SPECIFICATIONS.
7	DEVICES MOUNTED IN MILLWORK DESK. COORDINATE EXACT LOCATION AND MOUNTING WITH ARCHITECT IN FIELD. COORDINATE CONDUIT ROUTING WITH ARCHITECT IN FIELD.
8	PROVIDE 4"x4"x3/4" PLYWOOD TELEPHONE BOARD.
9	INDOOR UNIT SHALL RECEIVE POWER FROM OUTDOOR UNIT. PROVIDE 3/4" BETWEEN UNITS FOR CONTROL CONDUCTORS. SEE ROOF PLAN FOR OUTDOOR UNIT.
10	FLUSH MOUNTED J-BOX FOR CARD READER. PROVIDE 3/4" TO ACCESSIBLE LOCATION ABOVE CEILING. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
11	PROVIDE 120V POWER TO DOOR HARDWARE AS REQUIRED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.
12	FLUSH MOUNTED J-BOX IN WALL BELOW COUNTER. PROVIDE ONE EMPTY 1" CONDUIT WITH PULLSTRING FROM J-BOX TO CEILING MOUNTED TV IN BOARD ROOM.



400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.888.5797 p
TBPE Firm Registration No. 2234

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RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 07/09/2018
DWG BY: Author
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REVISION:
SHEET NUMBER
EP201
LEVEL 1 POWER
PLAN
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ARCHITECTS

American Bank Plaza
711 N. Garcaulus, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwaarchitects.com



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1 LEVEL 1 FIRE ALARM PLAN
EF201
1/8" = 1'-0"

GENERAL FIRE ALARM NOTES

- A ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING TILE.
- B ALL FIRE ALARM VISUAL AND AUDIO/VISUAL DEVICES SHALL BE CONFIGURED TO PROVIDE CANDELA RATINGS IN ACCORDANCE WITH ADA & NFPA COVERAGES.
- C ALL VISUAL FIRE ALARM DEVICES SHALL BE 15 CD UNLESS NOTED OTHERWISE.
- D ALL WIRING FOR DEVICES IN EXPOSED STRUCTURE AREAS SHALL BE ROUTED WITHIN CONDUIT. NO WIRING SHALL BE ROUTED EXPOSED.
- E ALL NEW FIRE ALARM DEVICES SHALL TIE INTO EXISTING FIRE ALARM SYSTEM. FIELD VERIFY LOCATION OF EXISTING FIRE ALARM CONTROL PANEL BEFORE BID. PROVIDE ALL NEW CONDUIT AND WIRING AS REQUIRED.
- F ALL NEW FIRE ALARM DEVICES SHALL BE U.L. LISTED TO OPERATE WITH EXISTING FIRE ALARM SYSTEM. FIELD VERIFY EXISTING FIRE ALARM SYSTEM MANUFACTURER BEFORE BID.
- G PROVIDE NEW FIRE ALARM ZONE POWER SUPPLIES AS REQUIRED.

GENERAL FIRE ALARM REMODEL NOTES:

1. REFER TO THE FIRE ALARM PLAN FOR FIRE ALARM DEVICES, NEW OR EXISTING. BEING ADDED, RE-USED OR REMOVED BY THIS REMODEL.
2. THE INTENT OF THIS PLAN IS TO INCORPORATE NEW AND RELOCATED DEVICES WITH THE EXISTING BASE BUILDING FIRE ALARM SYSTEM. WHEN A PULL STATION OR SMOKE DETECTOR IS ACTIVATED THE STROBES WILL FLASH AND SPEAKERS WILL SOUND ON THE FLOOR ABOVE AND THE FLOOR BELOW THE FLOOR OF INCIDENCE.
3. IT IS ASSUMED WITH THIS REMODEL THAT THE EXISTING SYSTEM MEETS REQUIRED CODES FOR THE ORIGINAL DATE OF INSTALLATION, AND BUILDING MANAGEMENT HAS MAINTAINED SYSTEM IN COMPLIANCE WITH LIFE SAFETY 101. FOR SEQUENCE OF OPERATIONS AND SPECIFICATIONS, REFER TO ORIGINAL SYSTEM DOCUMENT. COORDINATE WITH BUILDING MANAGEMENT.
4. THE EQUIPMENT SUPPLIER AND INSTALLING CONTRACTOR SHALL BE LICENSED BY THE STATE FIRE MARSHALL TO SELL, INSTALL, AND SERVICE FIRE ALARM SYSTEMS AS REQUIRED BY ARTICLE 5.49-2 OF THE TEXAS INSURANCE CODE.
5. ALL NEW EQUIPMENT REQUIRED FOR THIS REMODEL SHALL BE COMPATIBLE WITH THE EXISTING BUILDING SYSTEM AND SHALL BE PART OF THE SUBMITTAL PROCESS AS NOTED IN THE ELECTRICAL SPECIFICATIONS FOR THIS PROJECT. PROVIDE ADDITION SYSTEM POWER BOOSTER WHERE REQUIRED.
6. APPROVED FIRE ALARM CONTRACTOR TO FIELD VERIFY THAT THE EXISTING SYSTEM IS ADEQUATE FOR ADDITIONS AND MODIFICATIONS AND DETERMINE EXACT LOCATIONS OF NEW, RELOCATED AND EXISTING DEVICES. VERIFY QUANTITIES OF NEW DEVICES TO INTERFACE WITH THE EXISTING BUILDING SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND SHALL NOTIFY THE ENGINEER IF ANY CONFLICT EXISTS PREVENTING MODIFICATIONS REQUIRED IN THESE PLANS.
7. THE SYSTEM WHEN MODIFIED, SHALL BE A COMPLETE AND WORKING SYSTEM, AND COMPLY WITH THE MOST RECENT RULES, REGULATIONS, AND ORDINANCES THAT PRESENTLY APPLY TO THIS REMODEL.
8. ALL FIRE ALARM WORK SHALL BE APPROVED BY THE OWNER PRIOR TO START OF CONSTRUCTION.



400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.888.5797 p
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SANTA ROSA, TEXAS

KEYPLAN

DATE: 05/22/2018
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LEVEL 1 FIRE ALARM
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LWA

ARCHITECTS

American Bank Plaza
711 N. Garza Street, Suite 404
Corpus Christi, Texas 78401

Phone: 361.884.7442
Fax: 361.883.1612

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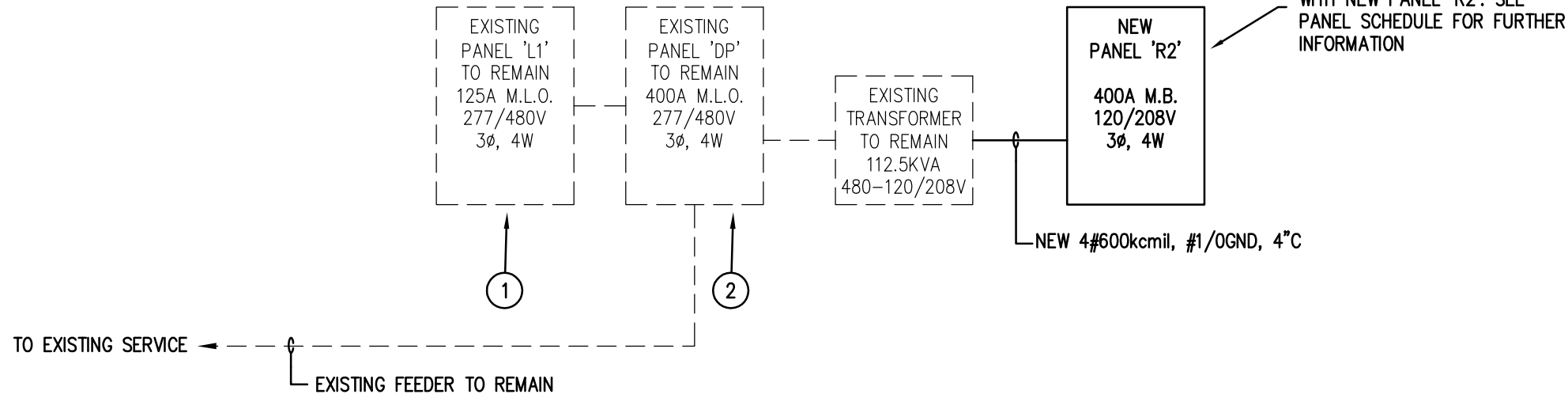


ELECTRICAL LOAD ANALYSIS 480' / 277', 3-PHASE, 4-WIRE			
DESCRIPTION		NEC	KVA
LIGHTING:			
INTERIOR =	6,947 VA X 125%	220-10(b)	8.7
EXTERIOR =	807 VA X 125%	220-10(b)	1.0
POWER:			
RECEPTACLES =	31,380 VA	220-13	20.7
MISCELLANEOUS =	15,900 VA	QUANTITY	15.9
KITCHEN =	0 VA 0	220-20	0.0
ELEVATORS =	0 VA 0	620-14	0.0
FUTURE POWER	0 VA 0		0.0
HVAC:			
COOLING =	122,988 VA	220-21	123.0
HEATING =	0 VA	220-21	0.0
FANS =	0 VA	220-21	0.0
PUMPS: CHW =	0 VA	220-21	0.0
HW =	0 VA	220-21	0.0
CONDENSATE =	0 VA	220-21	0.0
25% LARGEST MOTOR =	0 VA	220-14	0.0
PLUMBING:			
WATER HEATER =	2000 VA		2.0
DRINKING FOUNTAIN =	960 VA		1.0
CIRCULATING PUMP =	200 VA		0.2
TOTAL =			172.4
TOTAL AMPS:			207.4
SERVICE SIZE:			400.0
SPARE AMPACITY			192.6

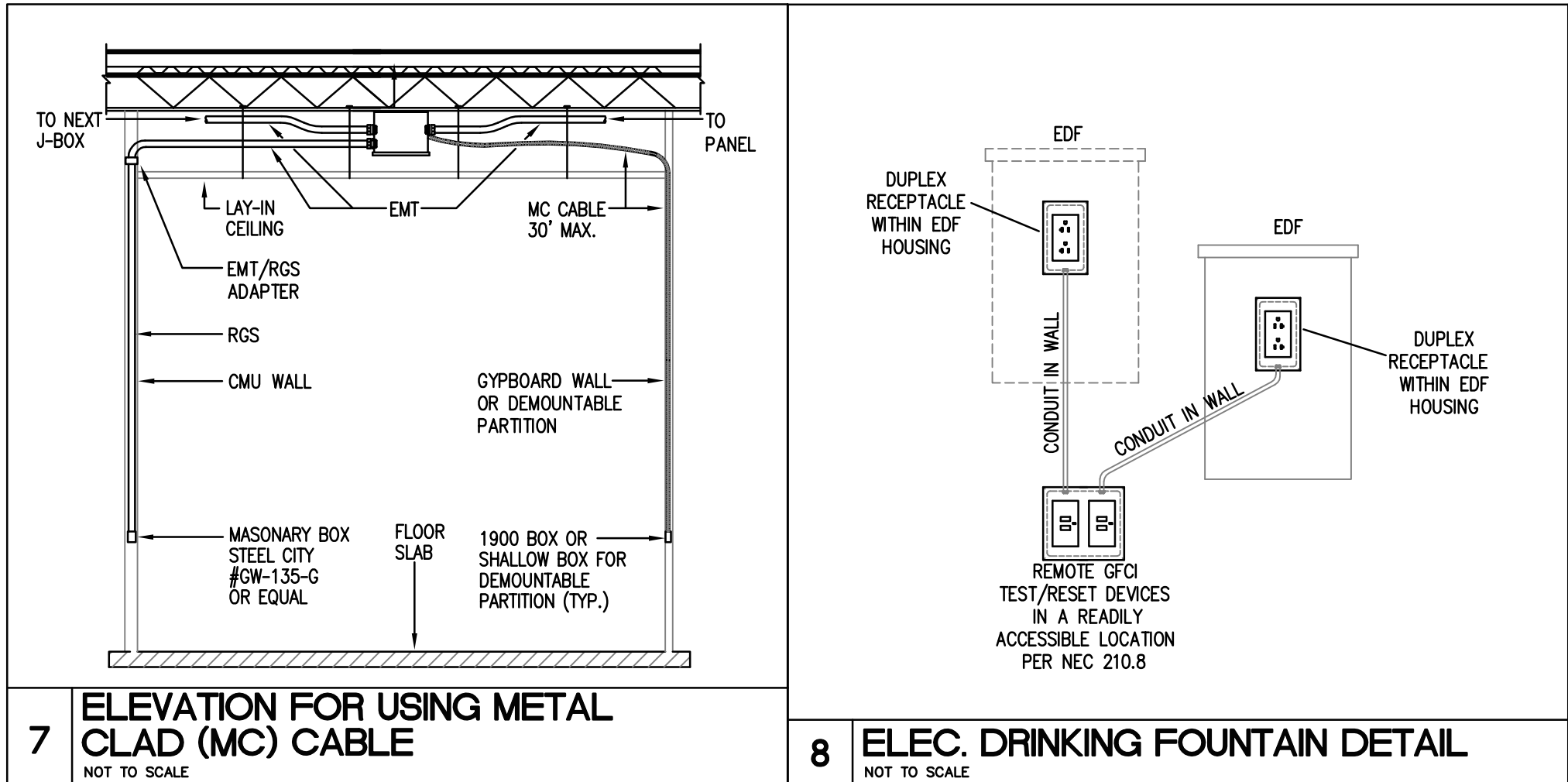
ONE-LINE DIAGRAM KEYED NOTES:

- EXISTING PANEL AND FEEDER TO REMAIN. DISCONNECT AND REMOVE ALL EXISTING BRANCH CIRCUITS CONDUIT AND WIRE.
- EXISTING PANEL AND FEEDER TO REMAIN. ALL EXISTING BRANCH CIRCUITS CONDUIT AND WIRE ARE TO REMAIN.

NOTE: DASHED ITEMS ARE EXISTING TO REMAIN.

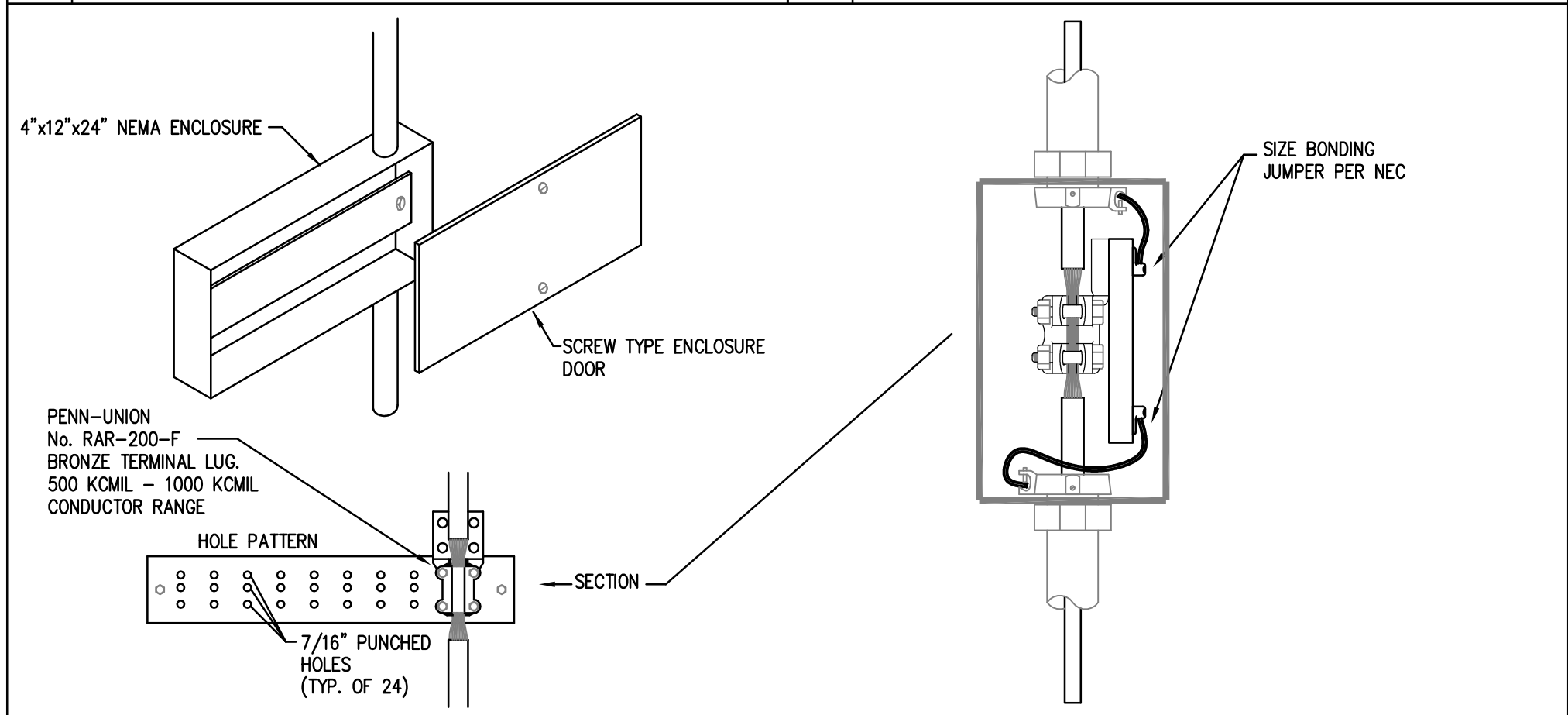


2 ELECTRICAL ONE-LINE DIAGRAM
NOT TO SCALE



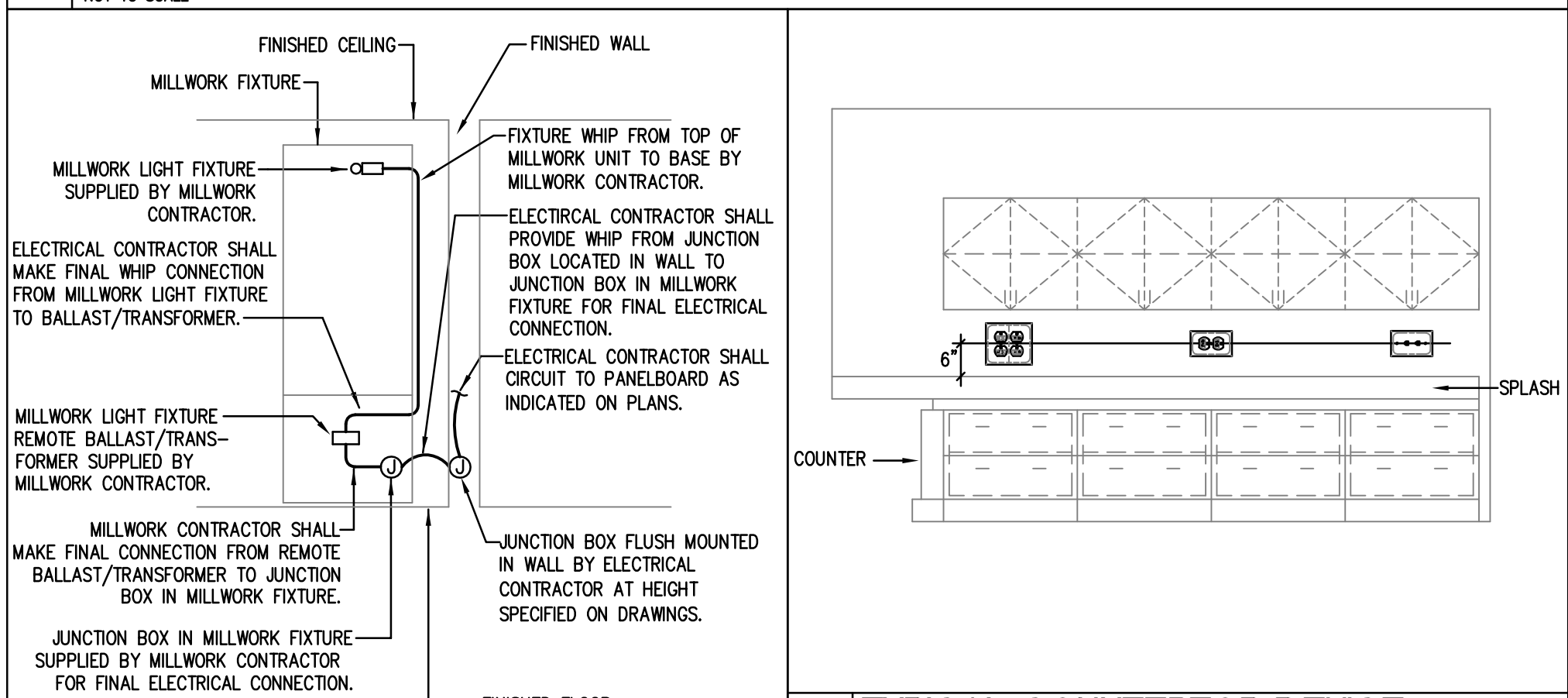
7 ELEVATION FOR USING METAL CLAD (MC) CABLE
NOT TO SCALE

8 ELEC. DRINKING FOUNTAIN DETAIL
NOT TO SCALE



5 TYPICAL GROUNDING BUS DETAIL
NOT TO SCALE

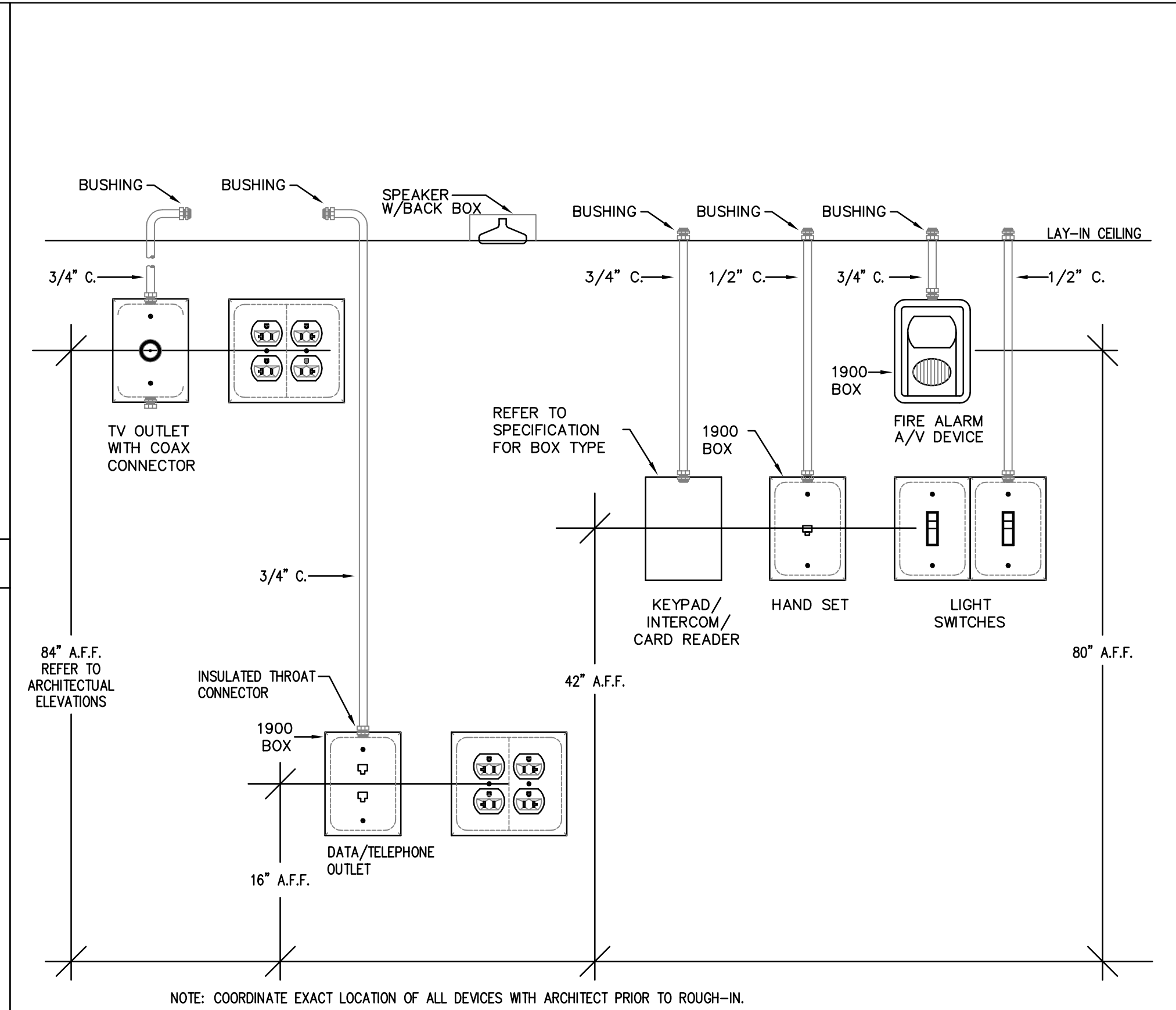
6 UNISTRUT CONDUIT DETAIL
NOT TO SCALE



1 TYP. MILLWORK WIRING DIAGRAM
NOT TO SCALE

2 TYPICAL COUNTERTOP DEVICE ELEVATION
NOT TO SCALE

3 BACK-TO-BACK OUTLETS
NOT TO SCALE



4 TYPICAL DEVICE ELEVATIONS
NOT TO SCALE

1 ELECTRICAL DETAILS
NOT TO SCALE



400 Mann Street, Suite 602
Corpus Christi, Tx 78401
361.888.5797 p
BPE Firm Registration No. 2234

DBR Project Number	189005.000
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JT	MG	JB	TL	--
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LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER	MODEL	MOUNTING	LAMP	APPARENT LOAD	Type Comments
A	METALUX	24CZ-LD5-50-UNV-L835-CD-1	RECESSED	LED	41 VA	2'x4' LED VOLUMETRIC FIXTURE
AE	METALUX	24CZ-LD5-50-UNV-EL14W-L835-CD-1	RECESSED	LED	41 VA	SAME AS TYPE 'A' WITH EMERGENCY BATTERY PACK
B	METALUX	24CZ-LD5-40-UNV-L835-CD-1	RECESSED	LED	29 VA	2'x4' LED VOLUMETRIC FIXTURE
BE	METALUX	24CZ-LD5-40-UNV-EL14W-L835-CD-1	RECESSED	LED	29 VA	SAME AS TYPE 'B' WITH EMERGENCY BATTERY PACK
C	METALUX	24GR-LD5-48-A125-UNV-L835-CD-1	RECESSED	LED	38 VA	2'x4' LED TROFFER
C2	METALUX	22GR-LD5-28-A125-UNV-L835-CD-1	RECESSED	LED	23 VA	2'x2' LED TROFFER
CE	METALUX	24GR-LD5-48-A125-UNV-EL14W-L835-CD-1	RECESSED	LED	38 VA	SAME AS TYPE 'C' WITH EMERGENCY BATTERY PACK
D	PORTFOLIO	LD6B-15-D010-EU6B-1020-80-35-6LB-M-O-L1	RECESSED	LED	16 VA	6" RECESSED DOWNLIGHT
DE	PORTFOLIO	LD6B-15-D010-EMBOD-EU6B-1020-80-35-6LB-M-O-L1-E	RECESSED	LED	16 VA	SAME AS TYPE 'D' WITH EMERGENCY BATTERY PACK
EM	SURE-LITES	AEL2-46-WH	SURFACE	LED	5 VA	EMERGENCY EGRESS FIXTURE
EX1	SURE-LITES	LPX-7	SURFACE	LED	5 VA	SINGLE FACE EXIT LIGHT
F	METALUX	4SNLED-LD5-37SL-LC-UNV-L835-CD-1	SURFACE	LED	28 VA	4' STRIP LIGHT CHAIN HUNG AT 9'-0" A.F.F.
FE	METALUX	4SNLED-LD5-37SL-LC-UNV-EL14W-L835-CD-1	SURFACE	LED	28 VA	SAME AS TYPE 'F' WITH EMERGENCY BATTERY PACK
G	METALUX	4SNLED-LD5-58SL-LW-UNV-L835-CD-1-U	SURFACE	LED	55 VA	4' LED STRIP LIGHT MOUNTED ON ARCHITECTURAL COVE
GE	METALUX	4SNLED-LD5-58SL-LW-UNV-EL14W-L835-CD-1-U	SURFACE	LED	55 VA	SAME AS TYPE 'G' WITH EMERGENCY BATTERY PACK
H	LUMARK	WPSQLED-75-UNV	SURFACE	LED	75 VA	EXTERIOR WALL PACK
J	LUMINIS	SY805-L1W55R0-277-FINISH BY ARCH-STM48*	PENDANT	LED	57 VA	8" ROUND PENDANT FIXTURE ON 48" STEM
K	METALUX	24EN-LD2-45-UNV-L835-CD-1	RECESSED	LED	38 VA	2'x4' LED VOLUMETRIC FIXTURE
KE	METALUX	24EN-LD2-45-UNV-EL14W-L835-CD-1	RECESSED	LED	38 VA	2'x4' LED VOLUMETRIC FIXTURE

Panelboard DP													65000 AIC Rating	
													New	
													X Existing	
480/277V Wye Volt. 3 Phase, 4 Wire				Mains Type:		0 A MCB 400 A BUS (Copper)				X Single Double Feed - Thru		Mounting X Surface Flush		
1 Section Type - Normal Rating				MLO		SIS. GRND. BUS								
new	Load Type	Type	Description	Wire	C/B	CKT	C/B	Wire	Description	Type	Load	Type	Load	
1	39888 VA	Exist ng Load	EXISTING LOAD	6	60 A	1 2 5	25 A	10	EXISTING LOAD	Exist ng Load	16620 VA	1		
1	19944 VA	Exist ng Load	EXISTING LOAD	10	30 A	7 8 9 10 11 12	20 A	12	EXISTING LOAD	Exist ng Load	13296 VA	1		
1	19944 VA	Exist ng Load	EXISTING LOAD	10	30 A	13 14 15 16 17 18	20 A	12	EXISTING LOAD	Exist ng Load	13296 VA	1		
1	7754 VA	L	EXISTING PANEL 'L'1'	3	100 A	19 20 21 22	--	--	Space	--	--			
--	--	--	Space	--	--	23 24	--	--	Space	--	--			
--	--	--	Space	--	--	25 26	--	--	Space	--	--			
--	--	--	Space	--	--	27 28	--	--	Space	--	--			
--	--	--	Space	--	--	29 30	--	--	Space	--	--			
--	--	--	Space	--	--	31 32	--	--	Space	--	--			
--	--	--	Space	--	--	33 34	--	--	Space	--	--			
--	--	--	Space	--	--	35 36	--	--	Space	--	--			
--	--	--	Space	--	--	37 38	--	--	Space	--	--			
1	52104 VA	R, Wh, SP	EXISTING 112 kVA TRANSFORMER 'TR2'	2/0	175 A	39 40 41 42	--	--	Space	--	--			
N.E.C. (2014)		Load Type	Conn.	Fcd.	Diversity	N.E.C. (2014)		Load Type	Conn.	Fcd.	Diversity			
220.44	(R)Receptacle	31380 VA	65.93%	20690 VA	20.2 (10A)	(L)Lighting		7754 VA	125.00%	9693 VA				
220.56	(K)Kitchen					(E)Ext. Ltg.								
220.60	(C)Cooling	5824 VA	100.00%	5824 VA	620.14	(E)Elevators								
220.60	(H)Heating			0 VA		(WH)Wat. Htr.		2000 VA	100.00%	2000 VA				
220.60	(F)Fans					(SP)Sub.Pn.		0 VA	Not Computed	0 VA				
Total Connected Load		182844 VA	VA =	220 A	Location of Panel: ELECTRICAL A111									
Total Load (Diversified)		204842 VA	VA =	245 A										

Panelboard L1										65000 AIC Rating New X Existing	
480/277 Vye Volt, 3 Phase, 4 Wire 1 Section			Mainis Type:	O A MCB 125 A BUS (Copper)				X Single Double	X Mounting		
Type 1 - Name Rating			MLO	ISO. GRND. BUS				Feed - Thru	X Surface Flush		
New	Load...	-Type	Description	Wire	CB	IOKT	CB	Wire	Description	Type	Load... N.
2	3584 VA	L	INTERIOR LIGHTING	12	20 A	1	12	20 A	Spare	--	--
2	2598 VA	L	INTERIOR LIGHTING	12	20 A	3	4	20 A	Spare	--	--
2	785 VA	L	LOBBY LIGHTING	12	20 A	5	6	20 A	Spare	--	--
2	807 VA	L	EXTERIOR LIGHTING	12	20 A	7	8	20 A	Spare	--	--
--	--	--	Spare	--	20 A	9	10	--	Spare	--	--
--	--	--	Spare	--	20 A	11	12	--	Spare	--	--
--	--	--	Spare	--	--	13	14	--	Spare	--	--
--	--	--	Spare	--	--	15	16	--	Spare	--	--
--	--	--	Spare	--	--	17	18	--	Spare	--	--
--	--	--	Spare	--	--	19	20	--	Spare	--	--
--	--	--	Spare	--	--	21	22	--	Spare	--	--
--	--	--	Spare	--	--	23	24	--	Spare	--	--
--	--	--	Spare	--	--	25	26	--	Spare	--	--
--	--	--	Spare	--	--	27	28	--	Spare	--	--
						29	30	--	Spare	--	--
N.E.C. (2014)	Load Type 220-424 (R)Receptacle 220-56 (K)Kitchen (C)Cooling 220-60 (H)Heating 220-60 (F)Fans (M)Misc	Conn. 	Fct. 	Diversity 	N.E.C.(2014) 210(20A)	Load Type (L)Lighting (E)Ext. Lig. (E)Elevators (WH)Wat. Htr. (MT)lng. Motor (SP)Sub Pnl.	Conn. 7754 VA	Fct. 125.00%	Diversity 9693 VA		
Total Connected Load		7754 VA	VA =	9 A	Location of Panel: ELECTRICAL A111						
Total Load (Diversified):		9693 VA	VA =	12 A							

Panelboard R2

42000 A/C Rating
X New
Existing

12/20/208 Wye Volt. 3 Phase, 4 Wire

Mains Type:

400 A MCB
400 A BUS (Copper)

X Single
X Double
Feed - Thru

Mounting
X Face
Flush

Type -1 -Nema-Rating		MCB		ISO GRND. BUS									
New	Load Type	Nema	Description	Wire	CB	CKT	CB	Wire	Description	Type	Load	N.	
360 VA	R		I.T. ROOM QUAD	12	20 A	1 12							
360 VA	R		I.T. ROOM QUAD	12	20 A	1 4		30 A 10	SURGE PROTECTION DEVICE	SP	0 VA		
360 VA	R		I.T. ROOM QUAD	12	20 A	5 6							
360 VA	R		I.T. ROOM QUAD	12	20 A	7 8		20 A 12					
360 VA	R		I.T. ROOM QUAD	12	20 A	9 10			EW-1	WH	2000 VA		
1200 VA	R		STORAGE A109H LOUVER A114	12	20 A	11 12	20 A 12		CIRC PUMP/TIME SWITCH	M	500 VA		
900 VA	R		OFFICE A113	12	20 A	13 14	20 A 12		TEACHERS LOUNGE COUNTER	M	1500 VA		
1080 VA	R		CORRIDOR RECEPITS	12	20 A	15 16	20 A 12		TEACHERS LOUNGE COUNTER	M	1500 VA		
720 VA	R		OFFICE A106	12	20 A	17 18	20 A 12		RECEPTION A102 COUNTER	R	540 VA		
900 VA	R		CFO OFFICE A106	12	20 A	19 20	20 A 12		BUSINESS OFFICE A103	R	360 VA		
500 VA	R		SECW	12	20 A	21 22	20 A 12		BUSINESS OFFICE A103	R	540 VA		
540 VA	R		RESTROOMS/STOCKING RM.	12	20 A	23 24	20 A 12		EXECUTIVE SESSION A136	R	540 VA		
720 VA	R		SECRETARY A110	12	20 A	25 26	20 A 12		EXECUTIVE SESSION A136	R	540 VA		
540 VA	R		OFFICE A119	12	20 A	27 28	20 A 12		CORRIDOR A137/STORAGE	R	720 VA		
540 VA	R		OFFICE A119	12	20 A	29 30	20 A 12		BOARD ROOM A135	R	720 VA		
720 VA	R		SHIPPING & RECEIVING A117	12	20 A	31 32	20 A 12		BOARD ROOM A135	R	720 VA		
720 VA	R		SHIPPING & RECEIVING A117	12	20 A	33 34	20 A 12		BOARD ROOM A135 DESK	R	900 VA		
900 VA	R		CLASSROOM A125	12	20 A	35 36	20 A 12		BOARD ROOM A135 DESK	R	900 VA		
720 VA	R		CLASSROOM A125	12	20 A	37 38	20 A 12		BD. ROOM A135 FLOOR BOXES	R	1500 VA		
1080 VA	R		CORRIDOR RECEPITS	12	20 A	39 40	20 A 12		BD. ROOM A135 CEILING REC.	R	720 VA		
500 VA	R		SECW	12	20 A	41 42	20 A 12		CLASSROOM A127 PROJECTOR	R	300 VA		
540 VA	R		RESTROOMS/STOCKING A122	12	20 A	43 44	20 A 12		CLASSROOM A126 PROJECTOR	R	400 VA		
900 VA	R		STORAGE A123/R. A133	12	20 A	45 46	20 A 12		COPIER A103	M	1500 VA		
720 VA	R		CLASSROOM A127	12	20 A	47 48	20 A 12		COPIER A103	M	1500 VA		
720 VA	R		CLASSROOM A127	12	20 A	49 50	20 A 12		DOOR ACCESS HARDWARE	M	400 VA		
360 VA	R		SECRETARY A130	12	20 A	51 52							
720 VA	R		SUPERINTENDENT A131	12	20 A	53 54	20 A 12		DCSU-1	C	2912 VA		
720 VA	R		SUPERINTENDENT A131	12	20 A	55 56	20 A 12		DCSU-2	C	2912 VA		
1260 VA	R		RECEPTION/CORRIDOR	12	20 A	57 58							
540 VA	R		STORAGE 10ASTORAGE 105	12	20 A	59 60			Spare				
1500 VA	M		HAND DRYER A123	12	20 A	61 62	20 A 12		Spare				
1500 VA	M		HAND DRYER A123	12	20 A	63 64	20 A 12		Spare				
1500 VA	M		HAND DRYER A121	12	20 A	65 66	20 A 12		Spare				
1500 VA	M		HAND DRYER A121	12	20 A	67 68	20 A 12		Spare				
1500 VA	M		HAND DRYER A115	12	20 A	69 70	20 A 12		Spare				
1500 VA	M		HAND DRYER A116	12	20 A	71 72	20 A 12		Spare				
--	--	--	Spare	--	--	73 74	20 A 12		Spare				
--	--	--	Spare	--	--	75 76	20 A 12		Spare				
--	--	--	Spare	--	--	77 78	20 A 12		Spare				
--	--	--	Spare	--	--	79 80	20 A 12		Spare				
--	--	--	Spare	--	--	81 82	20 A 12		Spare				
--	--	--	Spare	--	--	83 84	20 A 12		Spare				
N.E.C. (2014) Load Type Conn. Fct. Diversity N.E.C. (2014) Load Type Conn. Fct. Diversity													
220.42	(R)Receptacle	3180 VA	65.93%	20680 VA	210 (20)18	(L)Lighting							
220.56	(K)Kitchen					(E)Ext. Lgt.							
220.60	(C)Cooking	5824 VA	100.00%	5824 VA	620.14	(E)Elevators							
220.60	(H)Heating			0 VA		(WH)Watr. Htr.	2000 VA	100.00%	2000 VA				
220.60	(M)Motors				220.5	(MT)Mtr. Motor							
	(M)Misc.	12900 VA	100.00%	12900 VA		(SP)Sp. Pub. Int.	0 VA	Not Computed	0 VA				
Total Connected Load:				52104 VA	VA = 145 A								
Total Load (Diversified):				44114 VA	VA = 115 A	Location of Panel: ELECTRICAL A111							

PANEL SCHEDULE NOTES:

1. EXISTING CIRCUIT, BREAKER, CONDUIT AND WIRE TO REMAIN.
2. REUSE EXISTING BREAKER FOR NEW CIRCUIT. PROVIDE NEW CONDUIT AND WIRE

CONTROLS MATRIX

Room/Area Type	Control Functions										Catalog Number
	Room Controller	Ceiling Vacancy Sensor	Wall Vacancy Sensor	Wall Occupancy Sensor	Ceiling Occupancy Sensor	RC Button Station	Single Pole Toggle Switch	Three Way Toggle Switch	Three Way Four Way Switch	Keyed Switch	
103, 106, 108, 113, 114, 117, 119	●	●				●					RC3D-PL, OAC-DT-2000R, RC-XX
125, 127, 131, 135, 136	●	●				●					RC3D-PL, OAC-DT-2000R, RC-XX
130, 134, 110		●									OSW-P-010
104, 105, 109, 111			●								ONW-D-1001-MV-X (VACANCY)
122, 126, 132, 137			●								ONW-D-1001-MV-X (VACANCY)
LOBBY A101									●		
133			●								ONW-D-1001-MV-X (OCCUPANCY)
121, 123				●							OAC-DT-2000-R
CORRIDORS A120, A128, A129, A138							●				
CORRIDORS A107, A118								●			
CORRIDOR A112						●					

ONW AND VNW - MANUAL MODE OPERATION:

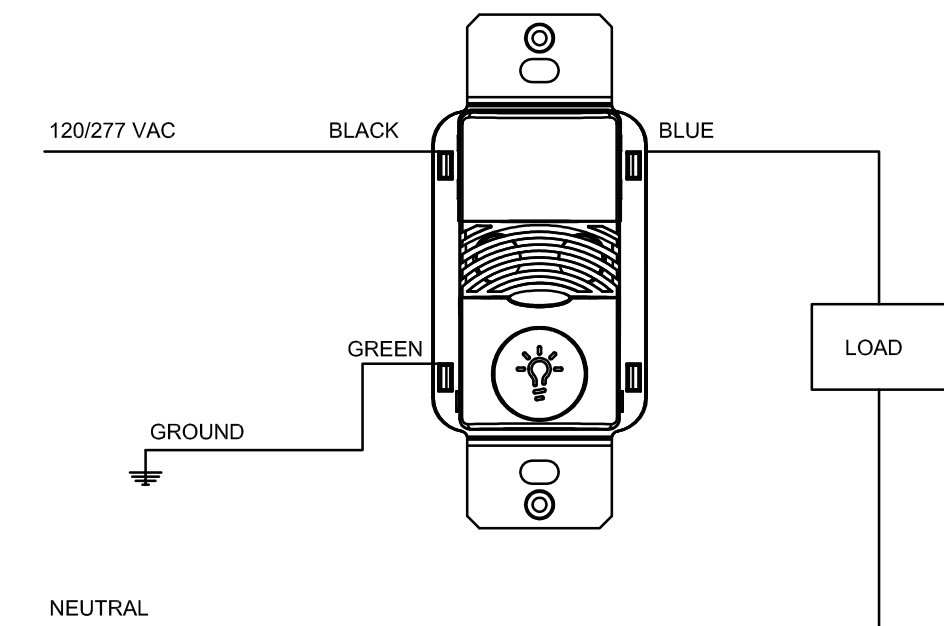
1. PUSHBUTTON PRESS IS REQUIRED TO TURN LOAD ON.
2. LOAD TURNS OFF WHEN SENSOR TIMES OUT OR BY PRESSING PUSH BUTTON.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, LOAD WILL NOT TURN ON.

ONW - AUTOMATIC MODE OPERATION:

1. WHEN SENSOR ACTIVATES LOAD TURNS ON.
2. PUSHBUTTON CAN BE USED TO TURN LOAD ON OR OFF. IF PUSHBUTTON IS USED TO TURN LOAD OFF, SENSOR MUST TIME OUT FIRST, BEFORE LOAD CAN TURN BACK ON AUTOMATICALLY.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, LOAD WILL NOT TURN ON.

SENSOR TYPES INCLUDE:

ONW-D-1001-MV
ONW-P-1001-MV
VNW-D-1001-MV
VNW-P-1001-MV



WALL MOUNTED SENSOR SWITCH
(VACANCY MODE)

WIRING DIAGRAM - LINE VOLTAGE WALL SWITCH
SENSOR (GROUND REQUIRED)
OCCUPANCY/VACANCY - SINGLE RELAY

LEGEND

RC	EATON RC3D-PL ROOM CONTROLLER	§	SINGLE POLE 120/277V 20A TOGGLE SWITCH
OS	EATON OAC-DT-2000-R DUAL TECH CEILING OCCUPANCY SENSOR	§§	THREWAY 120/277V 20A TOGGLE SWITCH
VS	EATON ONW-D-1001-MV-X DUAL TECH OCCUPANCY SENSOR (VACANCY MODE)	§§§	FOUR WAY 120/277V 20A TOGGLE SWITCH
OS	EATON ONW-D-1001-MV-X DUAL TECH OCCUPANCY SENSOR (OCCUPANCY MODE)	§§§	SINGLE POLE 120/277V 20A KEYED SWITCH
RC	EATON RC-XXXX-XXX-X ROOM CONTROLLER WALL STATION. REFER TO DETAILS FOR SPECIFIC SWITCH CONFIGURATION.		
VDS	EATON ONW-D-1001-MV-X DUAL TECH OCCUPANCY SENSOR (VACANCY MODE)		

ONW AND VNW - MANUAL MODE OPERATION:

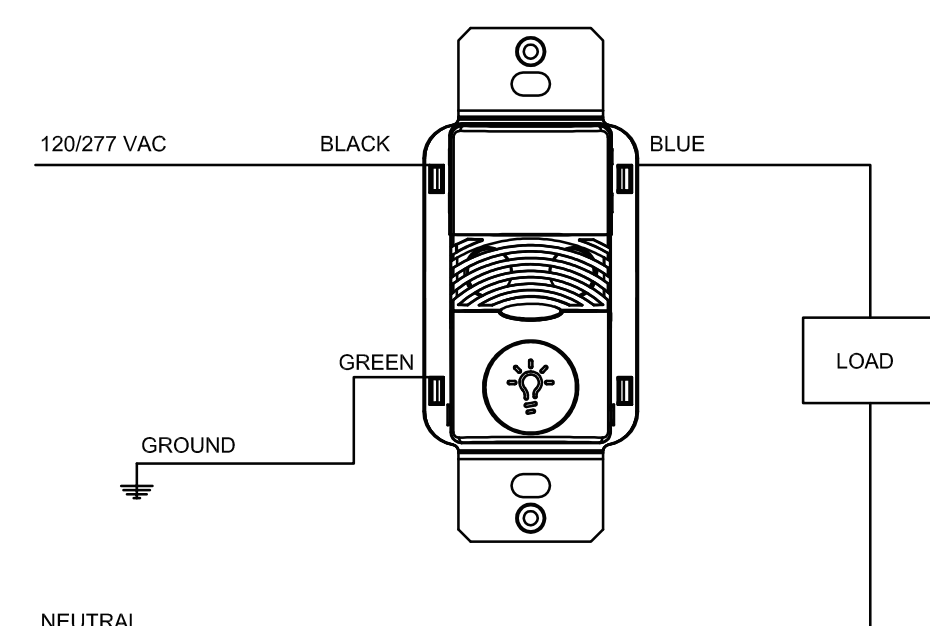
1. PUSHBUTTON PRESS IS REQUIRED TO TURN LOAD ON.
2. LOAD TURNS OFF WHEN SENSOR TIMES OUT OR BY PRESSING PUSH BUTTON.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, LOAD WILL NOT TURN ON.

ONW - AUTOMATIC MODE OPERATION:

1. WHEN SENSOR ACTIVATES LOAD TURNS ON.
2. PUSHBUTTON CAN BE USED TO TURN LOAD ON OR OFF. IF PUSHBUTTON IS USED TO TURN LOAD OFF, SENSOR MUST TIME OUT FIRST, BEFORE LOAD CAN TURN BACK ON AUTOMATICALLY.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, LOAD WILL NOT TURN ON.

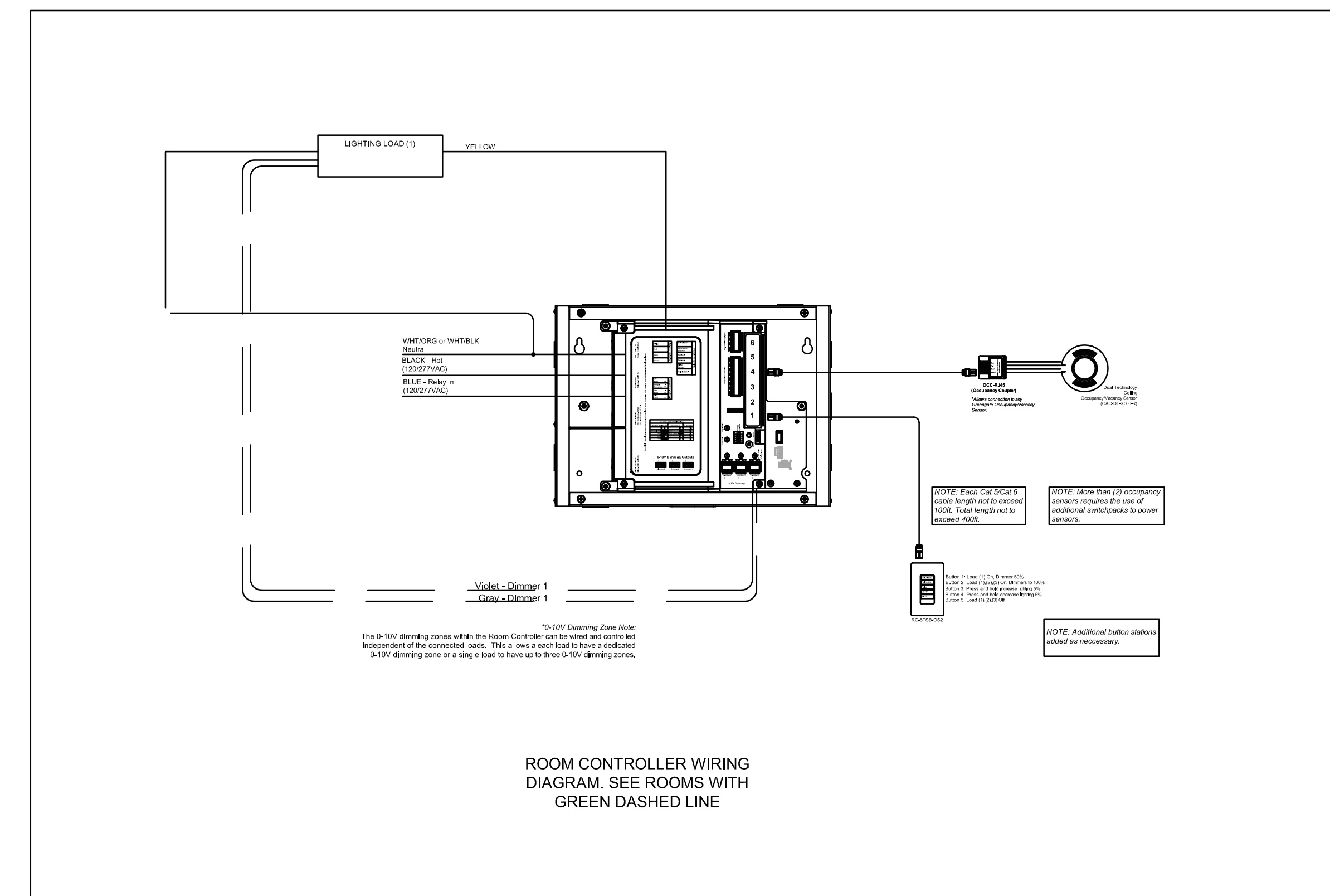
SENSOR TYPES INCLUDE:

ONW-D-1001-MV
ONW-P-1001-MV
VNW-D-1001-MV
VNW-P-1001-MV

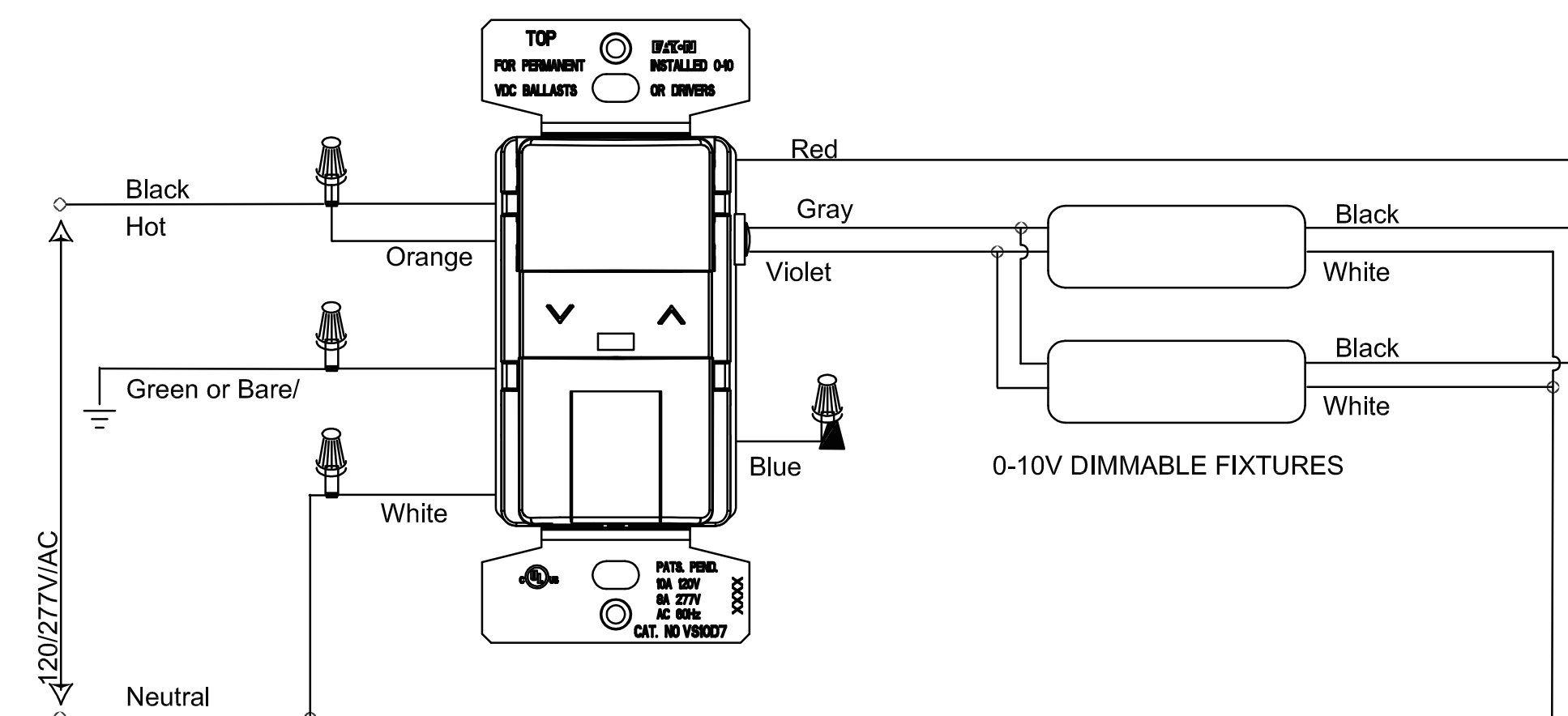


WALL MOUNTED SENSOR SWITCH
(OCCUPANCY MODE)

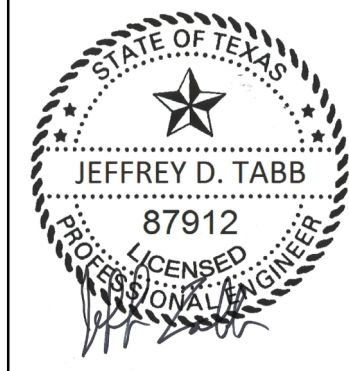
WIRING DIAGRAM - LINE VOLTAGE WALL SWITCH
SENSOR (GROUND REQUIRED)
OCCUPANCY/VACANCY - SINGLE RELAY



ROOM CONTROLLER WIRING
DIAGRAM. SEE ROOMS WITH
GREEN DASHED LINE



LINE VOLTAGE WALL MOUNTED
SENSOR DIMMER COMBO SWITCH
(VACANCY MODE)



07/09/2018

KEYPLAN

DATE: 07/09/2018

DWG BY: DBR

CKD BY: DBR

JOB NO: 1706

REVISION:

SHEET NUMBER

T001

ELECTRICAL
DETAILS AND
SCHEDULES

SET NO.



DBR Project Number 189005.000

JT MG JB TL --

GROUP	TECHNOLOGY LEGEND	
	SYMBOL	DESCRIPTION
DEVICES		INDICATES THE LOCATION OF A NEW TECHNOLOGY OUTLET. CONTRACTOR TO PROVIDE FACEPLATE WITH A MINIMUM OF 4-PORTS AT EACH LOCATION UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR TO PROVIDE A DOUBLE GANG BACK BOX WITH A SINGLE GANG REDUCER RING AND A 1" EMT CONDUIT FROM THE BOX TO THE NEAREST ACCESSIBLE CEILING. SOME EXISTING BUILDINGS MAY REQUIRE SURFACE MOUNTED RACEWAY. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL RACEWAY AS SPECIFIED AND DESIGNATE IN THE ELECTRICAL CONTRACT DOCUMENTS. SYSTEM INSTALLER TO PROVIDE AND INSTALL A PLASTIC PROTECTIVE BUSHING ON EACH CONDUIT STUB-OUT, TO PREVENT CABLE DAMAGE.
		INDICATES THE LOCATION OF A FLOOR MOUNTED TECHNOLOGY OUTLET. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A FLOOR BOX WITH (1) 1" CONDUIT PER EVERY (4) CABLES INSTALLED. ALL CONDUITS SHALL ROUT FROM THE FLOOR BOX, DIRECTLY TO THE IDF SERVING THIS AREA AND STUB-UP IN THE SAME LOCATION AS THE BUILDING SERVICE CONDUITS.
		INDICATES THE LOCATION OF A CEILING MOUNTED OUTLET. CONTRACTOR SHALL MOUNT THIS OUTLET AT +12" ABOVE THE CEILING AND COORDINATE ALL FINAL LOCATIONS WITH OTHER TRADES ON THE PROJECT TO VERIFY THAT THE LOCATION OF THE OUTLET MAINTAINS 12" OF CLEARANCE FROM THE FRONT OF THE FACEPLATE FOR OWNER ACCESS. ELECTRICAL CONTRACTOR SHALL ROUTE (1) 1" CONDUIT FROM THE BUILDING STRUCTURE TO A SINGLE GANG BACK BOX MOUNTED AT 5' OR LESS ABOVE THE FINISHED CEILING. SECURE CONDUIT AND BACK BOX TO INSURE MINIMAL SWAY MOVEMENT.
		DESIGNATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR THE USE OF A NETWORK CONNECTION. THE "#" SHALL BE REPLACED WITH NUMERIC TEXT THAT IDENTIFIES THE TOTAL NUMBER OF CATEGORY 6, NETWORK CABLES THAT ARE TO BE INSTALLED AT THE TECHNOLOGY OUTLET LOCATION. CONTRACTOR TO PROVIDE AND INSTALL CATEGORY 6, NETWORK CABLES, CATEGORY 6, CONNECTORS, STAINLESS STEEL FACEPLATES WITH IDENTIFICATION WINDOWS, LABELS, BLANK INSERTS, AND ANY OTHER MATERIALS REQUIRED TO FURNISH COMPLETELY FUNCTIONAL AND TESTED OUTLET LOCATION. ALL FACEPLATES PROVIDED SHALL CONTAIN A MINIMUM 4-PORTS AND SHALL BE APPROPRIATELY SIZED TO ACCOMMODATE THE NUMBER OF CIRCUITS BEING INSTALLED AT THIS TECHNOLOGY OUTLET LOCATION.
		DESIGNATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR THE USE OF A WALL MOUNTED TELEPHONE CONNECTION. CONTRACTOR TO PROVIDE AND INSTALL (1) CATEGORY 6, NETWORK CABLE, (1) CATEGORY 6, CONNECTOR, STAINLESS STEEL WALL TELEPHONE FACEPLATE, LABELS, AND ANY OTHER MATERIALS REQUIRED TO FURNISH A COMPLETELY FUNCTIONAL AND TESTED CIRCUIT AT EACH LOCATION SHOWN. CONTRACTOR SHALL MOUNT THIS OUTLET AT +42" AFF AND COORDINATE ALL FINAL LOCATIONS WITH OTHER TRADES ON THE PROJECT TO VERIFY THAT THE LOCATION OF THE OUTLET MAINTAINS 8" OF CLEARANCE ON ALL FOUR SIDES OF THE BACK BOX. OUTLETS SHALL REMAIN CLEAR OF ROOM DOORS, CABINET DOORS, APPLIANCE DOORS, AND SLIDING DRAWERS.
		DESIGNATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR THE USE OF A WIRELESS ACCESS POINT CONNECTION. CONTRACTOR TO PROVIDE AND INSTALL (2) CATEGORY 6A NETWORK CABLES, CONNECTORS, STAINLESS STEEL FACEPLATE WITH IDENTIFICATION WINDOWS, LABELS, AND ANY OTHER MATERIALS REQUIRED TO FURNISH A COMPLETELY FUNCTIONAL AND TESTED CIRCUIT AT EACH LOCATION SHOWN. PROVIDE (2) 10' PLENUM PATCH CABLE FOR EACH LOCATION INSTALLED. PATCH CABLE TO BE INSTALLED AND ROUTED BY OWNER.

GROUP	AUDIO/VIDEO LEGEND	
	SYMBOL	DESCRIPTION
DEVICES		INDICATES THE LOCATION OF A VIDEO PROJECTOR # TO BE REPLACED WITH "C" OR "W". "C" INDICATES THAT THE DEVICE IS A CEILING MOUNTED DEVICE, AND "W" INDICATES IT IS TO BE WALL MOUNTED. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 DATA CABLE, ALL AUDIO/VIDEO CABLEING, AUDIO/VIDEO COMPONENTS AND EQUIPMENT.
		INDICATES THAT THE DESIGNATED TECHNOLOGY OUTLET IS INTENDED FOR AN AUDIO/VIDEO (A/V) INPUT. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) 1900 BOX WITH TWO (2) 1" CONDUITS ROUTING INTO THE NEAREST, PLENUM ACCESSIBLE CEILING WITHIN THE SAME ROOM. # TO BE REPLACED WITH A ALPHABETICAL OR NUMERICAL TEXT, IDENTIFYING SPECIFIC INFORMATION ABOUT EACH OUTLET. REFERENCE SPECIFICATION AND SYSTEM DETAILS FOR ADDITIONAL INFORMATION.
		AV-I - STANDALONE INSTRUCTIONAL SPACE TYPE A/V INPUT PLATE AV-# - * TO BE REPLACED WITH AN ALPHABETICAL CHARACTER DEPICTING THE AREA IN WHICH THE DEVICE RESIDES. A/V INPUT PLATE # TO BE REPLACED WITH A NUMERIC VALUE DEPICTING THE SPECIFIC PLATE LOCATION ON THE FLOOR PLAN AND THE SYSTEM SCHEMATIC DETAIL.
		INDICATES THE LOCATION OF A LED VIDEO DISPLAY. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6, UTP NETWORK CABLE, ONE (1) RG6 QS CABLE, A/V CABLEING, AND ALL REQUIRED TERMINATION HARDWARE AS PER THE PROJECT SPECIFICATIONS. # SHALL BE REPLACE WITH NUMERIC VALUE THAT DESIGNATES A SPECIFIC TYPE OF DEVICE. REFERENCE A/V SCHEMATIC AND SPECIFICATION FOR ADDITIONAL INFORMATION.
		INDICATES THE LOCATION OF A DIGITAL SIGNAGE DISPLAY. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6, UTP NETWORK CABLE, AND ALL REQUIRED TERMINATION HARDWARE AS PER THE PROJECT SPECIFICATIONS. # SHALL BE REPLACE WITH NUMERIC VALUE THAT DESIGNATES A SPECIFIC TYPE OF DEVICE. REFERENCE SPECIFICATION FOR ADDITIONAL INFORMATION.
		INDICATES THE LOCATION OF A TOUCH PANEL A/V CONTROL SURFACE. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6, STP NETWORK CABLE, AND ALL REQUIRED TERMINATION HARDWARE TO THE DESIGNATED A/V CABINET AS PER THE PROJECT SPECIFICATIONS. REFERENCE SPECIFICATION FOR ADDITIONAL INFORMATION.

	INDICATES THE LOCATION OF HYDRAPORT 6 MODULE TABLE CONNECTIVITY BOX TO BE INSTALLED IN CONFERENCE TABLE AND CONNECTED TO FLOOR OUTLET VIA PATCH CABLES. CONTRACTOR TO COORDINATE WITH FURNITURE CONTRACTOR AND ARCHITECT PRIOR TO INSTALLATION.
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TECHNOLOGY GENERAL NOTES	
1.	CONTRACTOR SHALL COORDINATING WITH DBR ENGINEERING PRIOR TO THE INSTALLATION OF RACKS AND RACK EQUIPMENT. NO RACKS SHALL BE PERMANENTLY INSTALLED WITHOUT WRITTEN APPROVAL OF THE PROPOSED LOCATIONS.
2.	THE SELECTED, INSTALLING CONTRACTOR MUST BE A CERTIFIED INTEGRATOR/INSTALLER AUTHORIZED BY THE SPECIFIED SYSTEM MANUFACTURER TO INSTALL THE CABLE PLANT AND CONNECTIVITY PRODUCTS. REFER TO SPECIFICATIONS FOR PRODUCT TYPE AND DESCRIPTION.
3.	SYSTEM WIRING AND EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES AS ESTABLISHED BY ANS/IEEE/IA, BICSI, AND THE NEC.
4.	ALL WIRING SHALL MEET ALL STATE AND LOCAL ELECTRICAL CODES.
5.	ALL TELECOMMUNICATIONS SYSTEMS EQUIPMENT AND MOUNTING LOCATIONS SHALL BE IN COMPLIANCE WITH ADA ACCESSIBILITY STANDARDS.
6.	ALL INDUSTRY STANDARD CATEGORY 6 CABLEING PRACTICES MUST BE FOLLOWED FOR ALL DATA CABLEING.
7.	ALL DATA CABLES ARE TO BE INSTALLED WITH A MINIMUM OF 12 INCHES OF SEPARATION FROM AC POWER CABLES, INTERCOM, FIRE ALARM, SECURITY CABLES IN ANY PARALLEL OPEN WIRE RUN.
8.	ALWAYS CROSS OTHER SYSTEM CABLES AT A 90 DEGREE ANGLE.
9.	ALL CABLES AND TERMINATION COMPONENTS SHALL BE MACHINE LABELED AT BOTH ENDS. LABEL ALL CABLES PER TS DRAWINGS AND/OR SPECIFICATIONS. FINAL CABLE/OUTLET IDENTIFICATION LABELS SHALL BE COORDINATED WITH THE OWNER AND DBR.
10.	CONTRACTOR TO PROVIDE LIGHTNING PROTECTION ON ALL COMMUNICATION CABLE BETWEEN BUILDINGS.
11.	ALL EXPOSED CABLEING ROUTED IN PLENUM SHALL BE PLENUM-RATED. ALL NON PLENUM-RATED CABLEING INSTALLED IN PLENUM SPACES SHALL BE INSTALLED IN CONDUIT.
12.	NO TERMINATION OR SPLICES SHALL BE INSTALLED IN OR ABOVE CEILINGS UNLESS NOTED OTHERWISE.
13.	CONTRACTOR SHALL MAINTAIN WALL RATING WITH PROPER FIRE BLOCKING METHODS.
14.	ALL CABLE INSTALLED SHALL ROUTE TO THE CENTER OF THE ROOM IN WHICH IT SERVES AND THEN TO THE OUTLET LOCATION IT IS INTENDED FOR. EACH CABLE SHALL HAVE A 10' SERVICE LOOP AT THE CENTER OF EACH ROOM AND A 3' SERVICE LOOP ABOVE EACH OUTLET LOCATION.
15.	THE SYSTEM INSTALLER SHALL PROPERLY SUPPORT ALL INSTALLED SYSTEM CABLEING FROM A PANDUIT J-MOD CABLE SUPPORT SYSTEMS AS DETAILED IN SPECIFICATIONS. NO CABLEING SHALL BE ROUTED AND TIED DIRECTLY TO BUILDING STEEL, CEILING GRID SUPPORT, CONDUIT, PIPING, OR DUCTWORK. PANDUIT J-MOD SUPPORT SYSTEM SHALL BE DIRECTLY CONNECTED TO THE BUILDING'S STEEL JOIST. IN LOCATION WHERE THE BOTTOM OF THE JOIST IS MORE THAN 5' ABOVE THE CEILING, THE SYSTEM INSTALLER SHALL PROVIDE AND INSTALL THREADED ROD AND ALL REQUIRED MATERIALS TO CONNECT THE THREADED ROD TO THE BUILDING STEEL AND THE CABLE SUPPORT SYSTEM TO THE THREADED ROD. CABLE PATHWAY SHALL NOT BE HIGHER THAN 5' ABOVE THE CEILING AT ANY LOCATIONS.
16.	STRUCTURED CABLEING SYSTEM CONTRACTOR SHALL PROVIDE ONE (1) CATEGORY 6 CABLE TO EACH VIDEO SURVEILLANCE CAMERA ON THE ENTIRE PROJECT. PROVIDE AN ABOVE CEILING BOX AT EACH AND TERMINATE THE CIRCUIT WITH AN RJ45 INSERT. PROVIDE ONE (1) 20' PLENUM PATCH CABLE AT THE DEVICE END OF EACH LOCATION.
17.	CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED CABLEING AND COMPONENTS TO FURNISH TWO (2) ANALOG TELEPHONE CABLES TO THE FIRE ALARM SYSTEM. CONTRACTOR TO COORDINATE WITH THE SYSTEM INSTALLER FOR EXACT LOCATIONS AND TERMINATION INSTRUCTIONS PRIOR TO INSTALLATION.
18.	CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED CABLEING AND COMPONENTS TO FURNISH ONE (1) ANALOG TELEPHONE CABLES TO EACH ELEVATOR MACHINE ROOM ON THE PROJECT. CONTRACTOR TO COORDINATE WITH SYSTEM INSTALLERS FOR EXACT LOCATIONS AND TERMINATION INSTRUCTIONS PRIOR TO INSTALLATION.
19.	CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED CABLEING AND COMPONENTS TO FURNISH TWO (2) CATEGORY 6 CABLES TO BUILDING AUTOMATION SYSTEM. (1) CABLE SHALL BE INSTALLED AT +18" AFF FOR TECHNICIAN NETWORK CONNECTIVITY AND THE OTHER SHALL PROVIDE CONNECTIVITY TO THE SYSTEM. CONTRACTOR TO COORDINATE WITH SYSTEM INSTALLERS FOR EXACT LOCATIONS AND TERMINATION INSTRUCTIONS PRIOR TO INSTALLATION.
20.	CONTRACTOR TO PROVIDE AND INSTALL (1) CATEGORY 6 CABLE TO THE BUILDING'S ACCESS CONTROL HEAD END PANEL. TERMINATION OF THIS CABLE SHALL BE COORDINATED WITH THE SYSTEM INSTALLER.
21.	CONTRACTOR TO PROVIDE AND INSTALL (1) CATEGORY 6 CABLE TO THE BUILDING'S INTRUSION DETECTION CONTROL PANEL. TERMINATION OF THIS CABLE SHALL BE COORDINATED WITH THE SYSTEM INSTALLER.

NOTES TO CONTRACTOR	
1.	EVERY SYMBOL SHOWN ON LEGENDS MAY NOT APPEAR ON DRAWINGS. REFER TO GENERAL ELECTRICAL NOTES FOR WALL-MOUNTED DEVICE MOUNTING HEIGHTS.
2.	REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS.
3.	COMPLETE INSTALLATION OF ALL PRODUCTS SHALL BE IN COMPLIANCE WITH ALL CODES, INDUSTRY STANDARDS, COMMON PRACTICES AND MANUFACTURER'S INSTRUCTIONS.
4.	ALL EXTERIOR AND WALL MOUNTED CAMERA LOCATIONS AND MOUNTING HEIGHTS MUST BE COORDINATED WITH THE OWNER PRIOR TO ROUGH-IN. COORDINATION MEETINGS SHALL BE SCHEDULED THROUGH THE ARCHITECT'S PROJECT MANAGER.

TYPICAL SUBSCRIPTS LEGEND	
TEXT	DESCRIPTION
'WM'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE WALL MOUNTED AT SPECIFIED HEIGHT OR IN COMPLIANCE WITH CODE REQUIREMENTS. ALL WALL MOUNTED HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'WP'	INDICATES THAT THE DESIGNATED DEVICE SHALL BE WEATHER PROOF AND RATED FOR EXTERIOR CONDITIONS INSTALLATION.
'AC'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE COUNTERTOP. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE COUNTER. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'AFF'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE FINISHED FLOOR. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE FINISHED FLOOR. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'AG'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE GRADE LEVEL. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE GRADE. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'SM'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE SURFACE MOUNTED. CONTRACTOR TO PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE, SURFACE MOUNTED SOLUTION. ALL SURFACE MOUNTED PRODUCTS SHALL BE APPROVED BY THE PROJECT'S ARCHITECT PRIOR TO PROCUREMENT AND/OR INSTALLATION.
'UC'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE MOUNTED ON THE UNDERSIDE OF THE ELEVATED CANOPY.
'UF'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED UNDER A RAISED FLOOR SYSTEM.
'CM'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE CORNER MOUNTED AT SPECIFIED HEIGHT. ALL WALL MOUNTED HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.

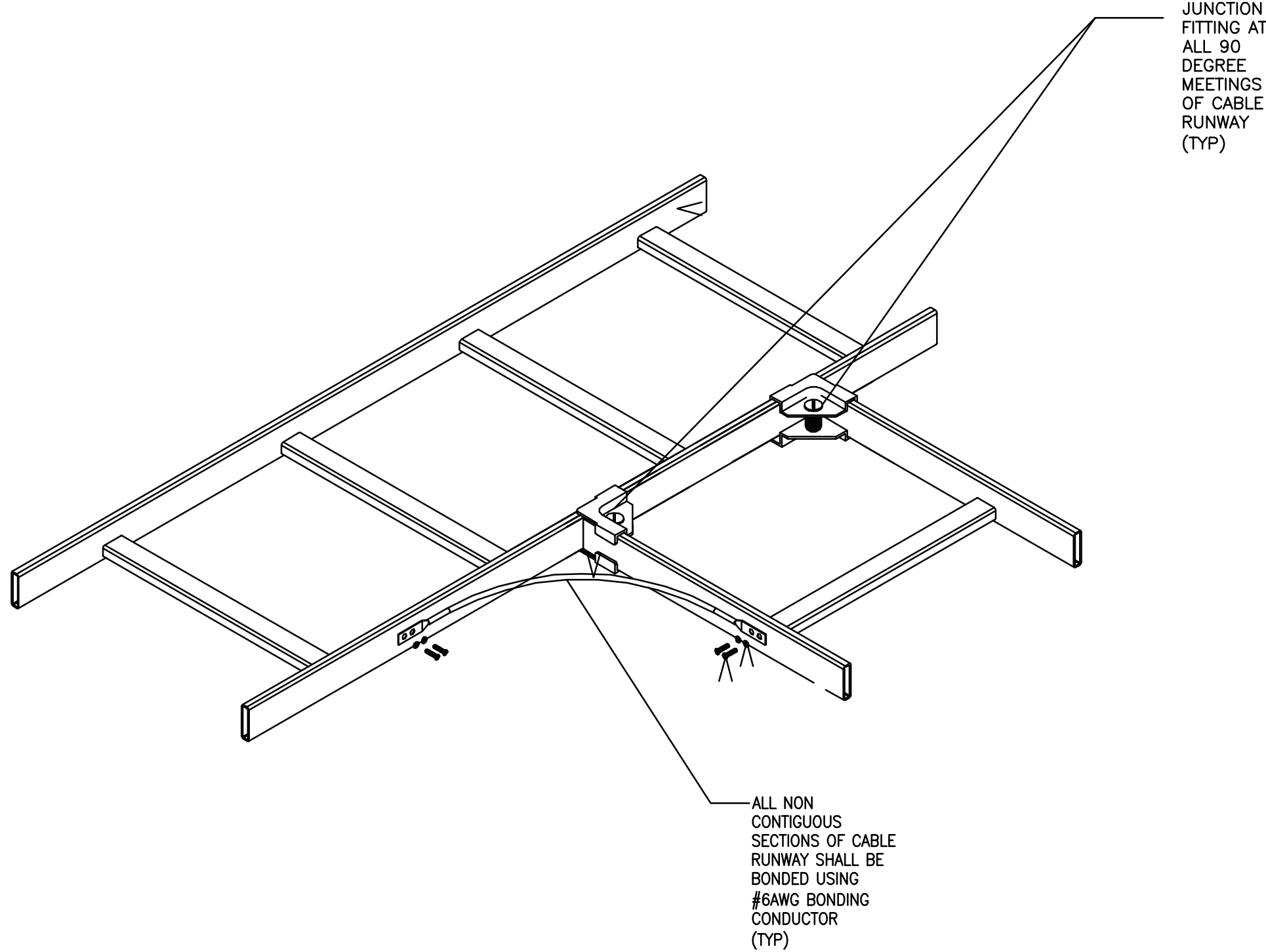
GENERAL NOTES	
1.	ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. PROJECTS ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER TO MAIN CONTROL PANELS, REMOTE POWER SUPPLIES AND ALL HEAD END EQUIPMENT. SYSTEM INSTALLERS SHALL COORDINATE LOCATIONS AND CONNECTIONS WITH THE PROJECT'S ELECTRICAL CONTRACTOR.
2.	THE PROJECT'S ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL IN CONDUITS, BACK BOXES, JUNCTION BOXES, RACEWAYS, AND SLEEVES REQUIRED TO ESTABLISH CLEAR PATHWAYS FOR ALL SYSTEMS. ALL CONDUITS, SLEEVES, BOXES, AND RACEWAYS SHALL BE PROPERLY SIZED TO MAINTAIN A 40% MAXIMUM FILL RATIO.
3.	ALL EXPOSED SYSTEM'S WIRING OR WIRING ROUTING ACROSS NON ACCESSIBLE OR OPEN CEILING SPACES SHALL BE ROUTED IN CONDUIT, PROVIDED AND INSTALLED BY THE PROJECT'S ELECTRICAL CONTRACTOR. SIZE CONDUIT AS REQUIRED TO ROUTE SYSTEMS WITH 40% CABLE FILL RATIO. MINIMUM CONDUIT SIZE SHALL BE 3/4".
4.	EACH SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR ENSURING ALL EXTERIOR WALL PENETRATIONS ARE PROPERLY SEALED TO PREVENT ANY MOISTURE FROM ENTERING BUILDING.
5.	NO CONDUITS SHALL BE INSTALLED ON THE EXTERIOR OF THE BUILDING. IF EXTERIOR CONDUITS ARE REQUIRED FOR A COMPLETE INSTALLATION, EACH SYSTEM CONTRACTOR SHALL COORDINATE WITH THE PROJECTS CONSULTANT PRIOR TO ANY ROUGH-IN.
6.	EACH SYSTEM INSTALLER SHALL PROVIDE AND INSTALL PROTECTIVE BUSHINGS ON ALL CONDUIT STUB OUTS AND SLEEVES TO PREVENT CABLE DAMAGE. BUSHING TO BE INSTALLED PRIOR TO CABLE INSTALLATION. CUTTING BUSHING AND INSTALLING AFTER CABLE IS INSTALLED WILL NOT BE EXCEPTED.
7.	ALL CABLE SHALL BE ROUTED DOWN CORRIDORS, PARALLEL AND PERPENDICULAR TO THE BUILDING WALLS AND STRUCTURE. CABLE TO EACH DEVICE SHALL BRANCH OFF OF A MAIN CORRIDOR TRUNK. ROUTING CABLES THROUGH CLASSROOMS, OFFICES, STORAGE ROOMS, RESTROOMS OR ANY TYPE OF ROOM OTHER THAN A CORRIDOR WILL NOT BE ACCEPTED. ENTER ALL ROOMS ABOVE THE ASSOCIATED ROOM DOORWAY.

GROUP	VIDEO SURVEILLANCE LEGEND	
	SYMBOL	DESCRIPTION
DEVICES		INTERIOR VIDEO SURVEILLANCE CAMERA.
		VANDAL RESISTANT, WEATHER PROOF, EXTERIOR SECURITY CAMERA.
		VIDEO RECORDING SERVER. REFERENCE SPECIFICATIONS FOR INFORMATION CONCERNING ANALOG OR IP BASED TYPE SYSTEM.
NOTES:		
1. REFERENCE VIDEO SURVEILLANCE SCHEDULE, DIVISION 8 AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS		

GROUP	ACCESS CONTROL LEGEND	
	SYMBOL	DESCRIPTION
DEVICES		WALL OR MULLION MOUNTED ACCESS CONTROL PROXIMITY CARD READER.
		ACCESS CONTROL PROXIMITY CARD READER THAT IS INTEGRATED INTO THE DOOR HARDWARE.
		DOOR RELEASE BUTTON
		MOTION REQUEST TO EXIT DEVICE
		DESIGNATES THE LOCATION OF THE ACCESS CONTROL SYSTEM, CONTROL PANEL. ELECTRICAL CONTRACTOR TO PROVIDE 120V. POWER TO PANEL. PROVIDE NETWORK CABLE TO PANEL AND COORDINATE WITH THE OWNER'S TECHNOLOGY DEPARTMENT ON ACQUIRING AN IP ADDRESS.
		WALL OR MULLION MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.
		DOOR MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.
		2-WAY AUDIO/VIDEO INTERCOM MASTER STATION.
		ADA AUTO DOOR OPEN BUTTON. SHOWN FOR REFERENCE ONLY. BUTTON AND AUTO DOOR OPERATOR PROVIDED AND INSTALLED BY THE DOOR SYSTEM INSTALLER.
		AUTO DOOR OPERATOR. OPERATOR TO BE PROVIDED AND INSTALLED BY THE DOOR SYSTEM INSTALLER.
NOTES:		
1. REFERENCE ACCESS CONTROL SCHEDULE, DIVISION 8 AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS		

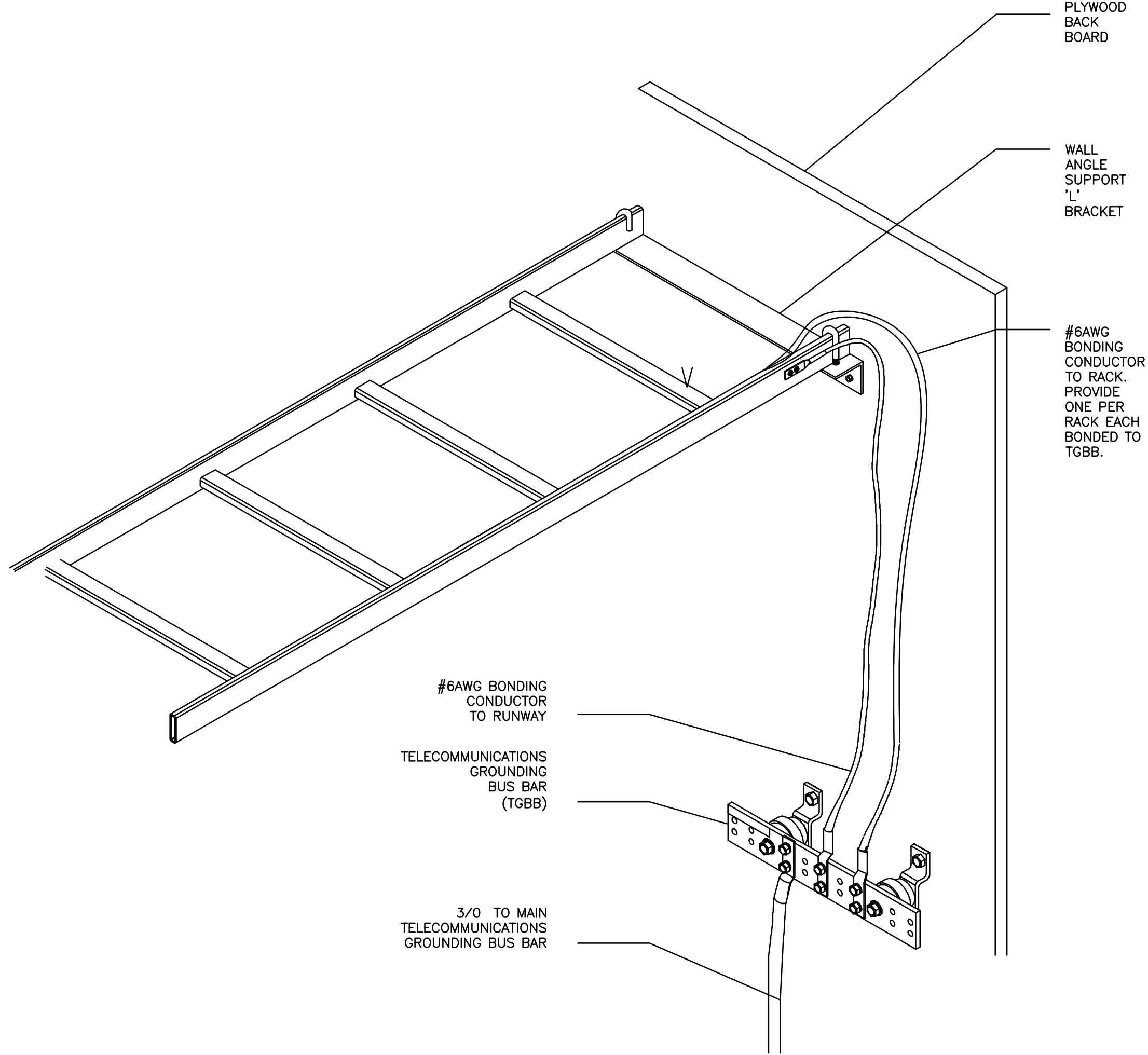
GROUP	INTRUSION DETECTION LEGEND	
	SYMBOL	DESCRIPTION
DEVICES		DESIGNATES THE LOCATION OF THE INTRUSION DETECTION SYSTEM, CONTROL PANEL. ELECTRICAL CONTRACTOR TO PROVIDE 120V POWER TO PANEL.
		FLUSH MOUNTED MAGNETIC DOOR CONTACT.
		SURFACE MOUNTED MAGNETIC DOOR CONTACT.
		OVERHEAD DOOR, SURFACE MOUNTED DOOR CONTACT.
		INTRUSION DETECTION SYSTEM ARM/DISARM KEYPAD.
		STANDARD RANGE WALL MOUNTED MOTION DETECTOR.
		MEDIUM RANGE WALL MOUNTED MOTION DETECTOR.
		LONG RANGE WALL MOUNTED MOTION DETECTOR.
		CEILING MOUNTED, 360° MOTION DETECTOR.
		RELAY/MONITOR MODULE
		DURESS BUTTON
		WIRELESS SECURITY RECEIVER
NOTES:		
1. REFERENCE INTRUSION DETECTION SCHEDULE, DIVISION 8 AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS		

SECURITY GENERAL NOTES	
1.	THE SECURITY CAMERA SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR CONNECTING ALL APPLICABLE SYSTEM EQUIPMENT TO THE OWNER'S NETWORK.
2.	THE SYSTEM INSTALLER SHALL PROPERLY SUPPORT ALL INSTALLED SYSTEM CABLEING FROM AN APPROVED CABLE SUPPORT SYSTEM AS DETAILED IN SPECIFICATIONS. NO CABLEING SHALL BE ROUTED AND TIED DIRECTLY TO BUILDING STEEL, CEILING GRID SUPPORT, CONDUIT, PIPING, OR DUCTWORK. THE CABLE SUPPORT SYSTEM SHALL BE DIRECTLY CONNECTED TO THE BUILDING'S STEEL JOIST. AT LOCATIONS WHERE THE BOTTOM OF THE JOIST IS MORE THAN 5' ABOVE THE CEILING, THE SYSTEM INSTALLER SHALL PROVIDE AND INSTALL THREADED ROD AND ALL REQUIRED MATERIALS TO CONNECT THE THREADED ROD TO THE BUILDING STEEL AND THE CABLE SUPPORT SYSTEM TO THE THREADED ROD. CABLE PATHWAY SHALL NOT BE HIGHER THAN 5' ABOVE THE CEILING AT ANY LOCATIONS.
3.	SECURITY CAMERA SYSTEM INSTALLER SHALL PROVIDE A CEILING MOUNTED INSTALLATION KIT RECOMMENDED BY THE MANUFACTURER OF THE CAMERA. EACH CEILING MOUNTED CAMERA KIT SHALL HAVE A SUPPORT WIRE ATTACHED TO THE BUILDING'S STRUCTURE TO PREVENT THE CAMERA FROM DROPPING TO THE FLOOR AT ANY TIME. AT NO POINT SHALL THE WEIGHT OF THE CEILING MOUNTED SECURITY CAMERA BE SUPPORTED BY THE CEILING GRID SYSTEM OR CEILING TILES. ALL CEILING MOUNTED CAMERAS SHALL BE FLUSH MOUNTED.
4.	ALL EXTERIOR AND WALL MOUNTED CAMERA LOCATIONS AND MOUNTING HEIGHTS MUST BE COORDINATED WITH THE OWNER PRIOR TO ROUGH-IN. COORDINATION MEETINGS SHALL BE SCHEDULED THROUGH THE ARCHITECT'S PROJECT MANAGER.
5.	PROVIDE AND INSTALL MAGNETIC DOOR CONTACT AT ALL ROOF HATCHES ON THE ENTIRE PROJECT. CONTACTS TO BE CONNECTED TO THE BUILDINGS INTRUSION DETECTION SYSTEM.
6.	CONTRACTOR TO PROVIDE AND INSTALL A MONITOR RELAY AND ALL REQUIRED MATERIALS TO CONNECT THE RELAY TO THE FREEZER/COOLER TEMPERATURE GAUGE AND BACK TO THE INTRUSION DETECTION SYSTEM. THE INTRUSION DETECTION SYSTEM SHALL BE PROGRAMMED TO NOTIFY THE OWNER'S DESIGNATED PERSONNEL IN THE EVENT OF EXTENSIVE CHANGE IN TEMPERATURE.



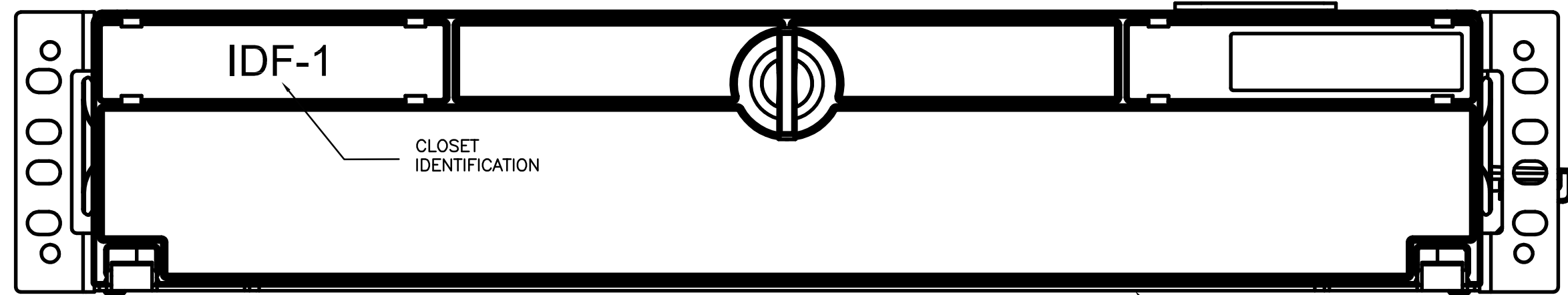
07 CABLE RUNWAY - JUNCTION AND BONDING

NOT TO SCALE

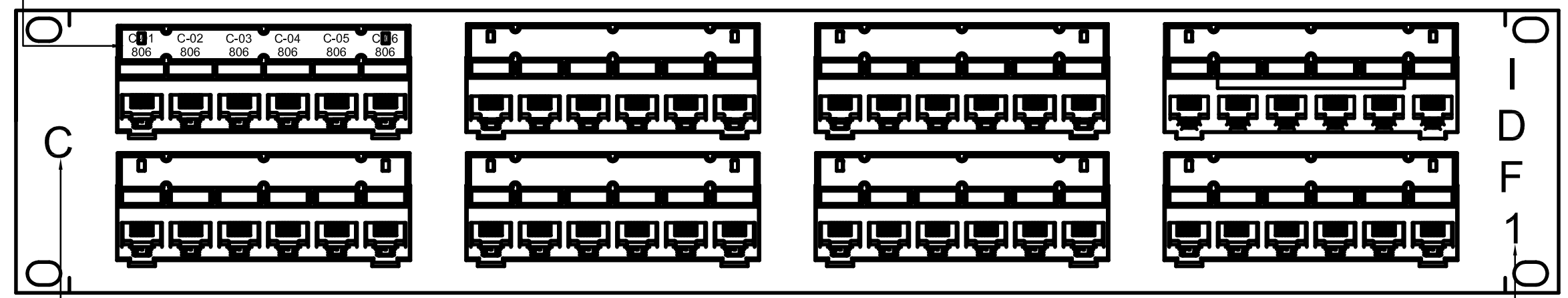


06 TR - GROUNDING AND BONDING

NOT TO SCALE



INDIVIDUAL PORT IDENTIFICATION:
EACH PATCH PANEL PORT SHALL BE LABELED WITH THE STATION PORT NUMBER AND THE ROOM NUMBER IT SERVES. (IN THIS CASE, PORTS 1-6 ARE SERVING CABLES 1 THRU 6 IN ROOM #806) COORDINATE ROOM NUMBERS WITH FINAL GRAPHICS PACKAGE ROOM NUMBERS AND NOT CONSECUTION PLAN ROOM NUMBERS.



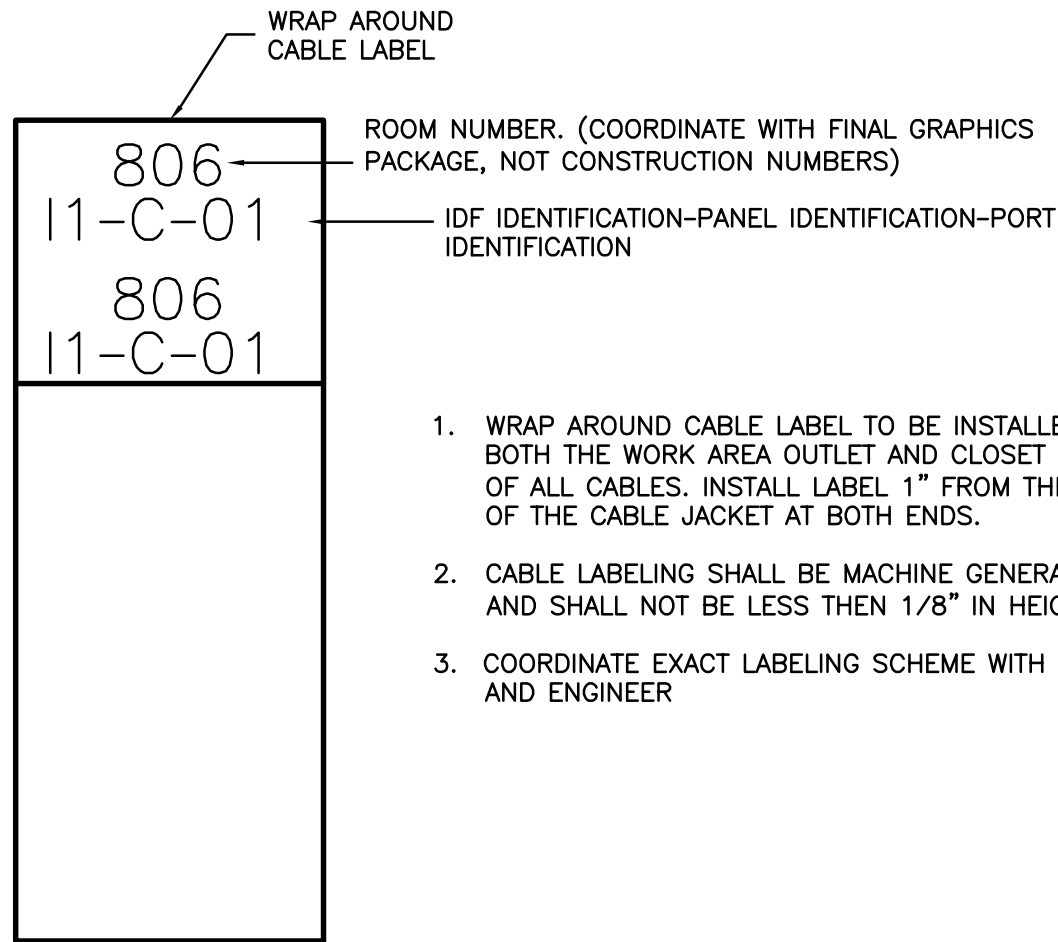
PANEL IDENTIFICATION
(PANEL 'C' WOULD INDICATE THE 3RD PATCH PANEL IN THE COMMUNICATION CLOSET)

1. PATCH PANEL PORT LABELING SHALL BE MACHINE GENERATED AND SHALL NOT BE LESS THEN 1/4" IN HEIGHT.
2. PATCH PANEL AND CLOSET IDENTIFICATION LABEL SHALL BE MACHINE GENERATED AND SHALL NOT BE LESS THEN 1/2" IN HEIGHT.
3. COORDINATE EXACT LABELING SCHEME WITH OWNER AND ENGINEER

CLOSET IDENTIFICATION (IN THIS CASE, THE LABEL INDICATES IDF CLOSET #1. THE MDF SHALL BE LABELED 'MDF')

05 FIBER ENCLOSURE/ COPPER PATCH PANEL LABELING DETAIL

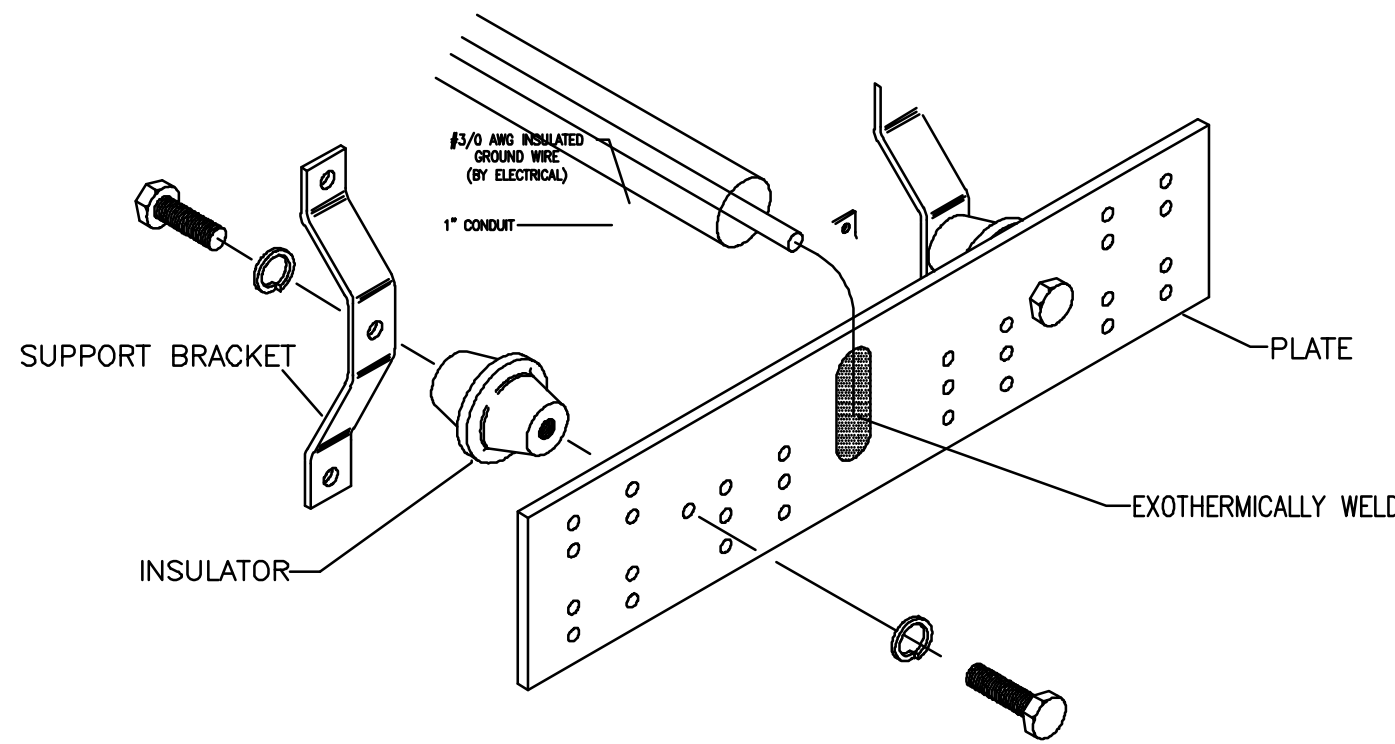
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1. WRAP AROUND CABLE LABEL TO BE INSTALLED AT BOTH THE WORK AREA OUTLET AND CLOSET ENDS OF ALL CABLES. INSTALL LABEL 1" FROM THE END OF THE CABLE JACKET AT BOTH ENDS.
2. CABLE LABELING SHALL BE MACHINE GENERATED AND SHALL NOT BE LESS THEN 1/8" IN HEIGHT.
3. COORDINATE EXACT LABELING SCHEME WITH OWNER AND ENGINEER

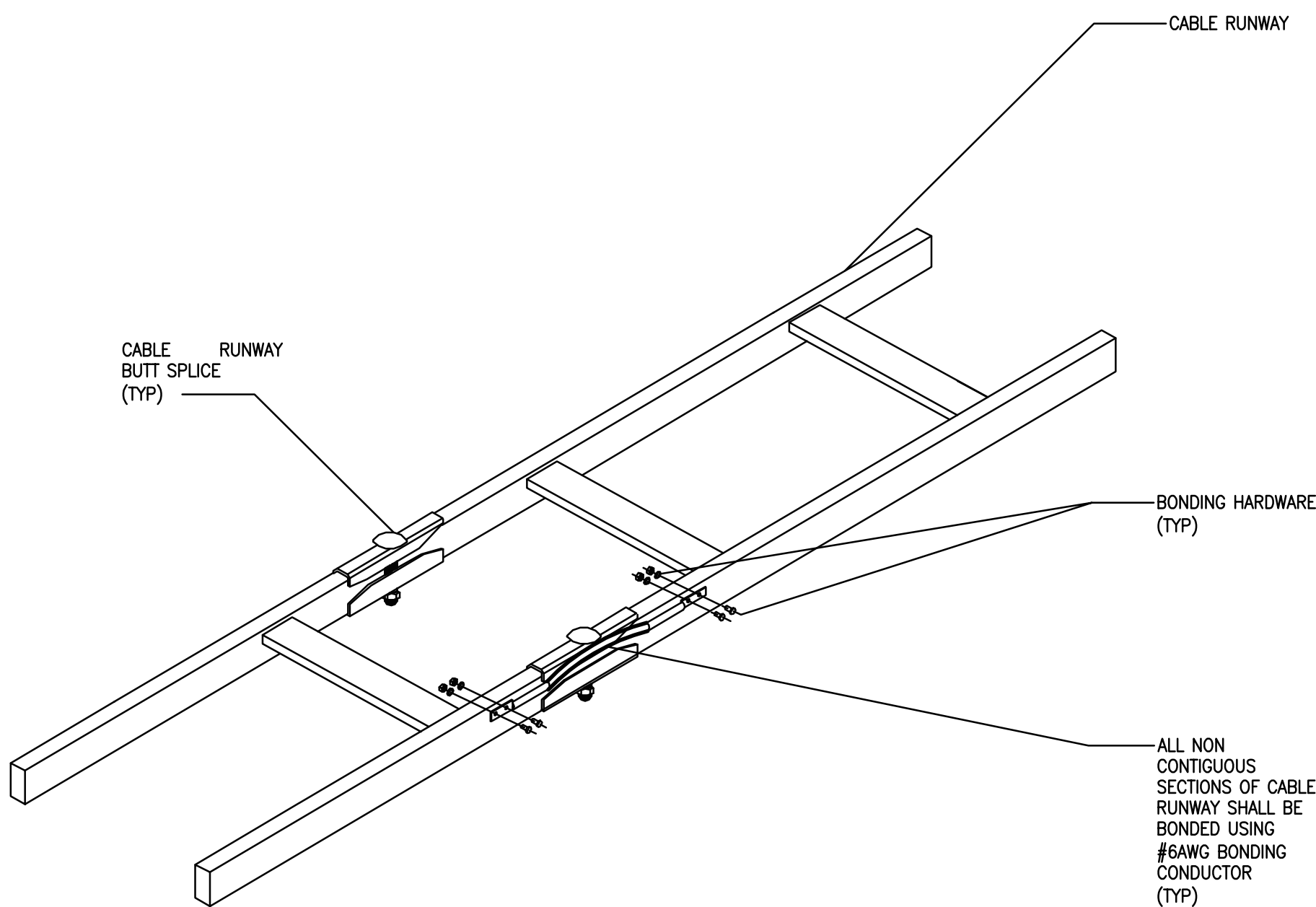
04 CABLE LABEL DETAIL

NOT TO SCALE



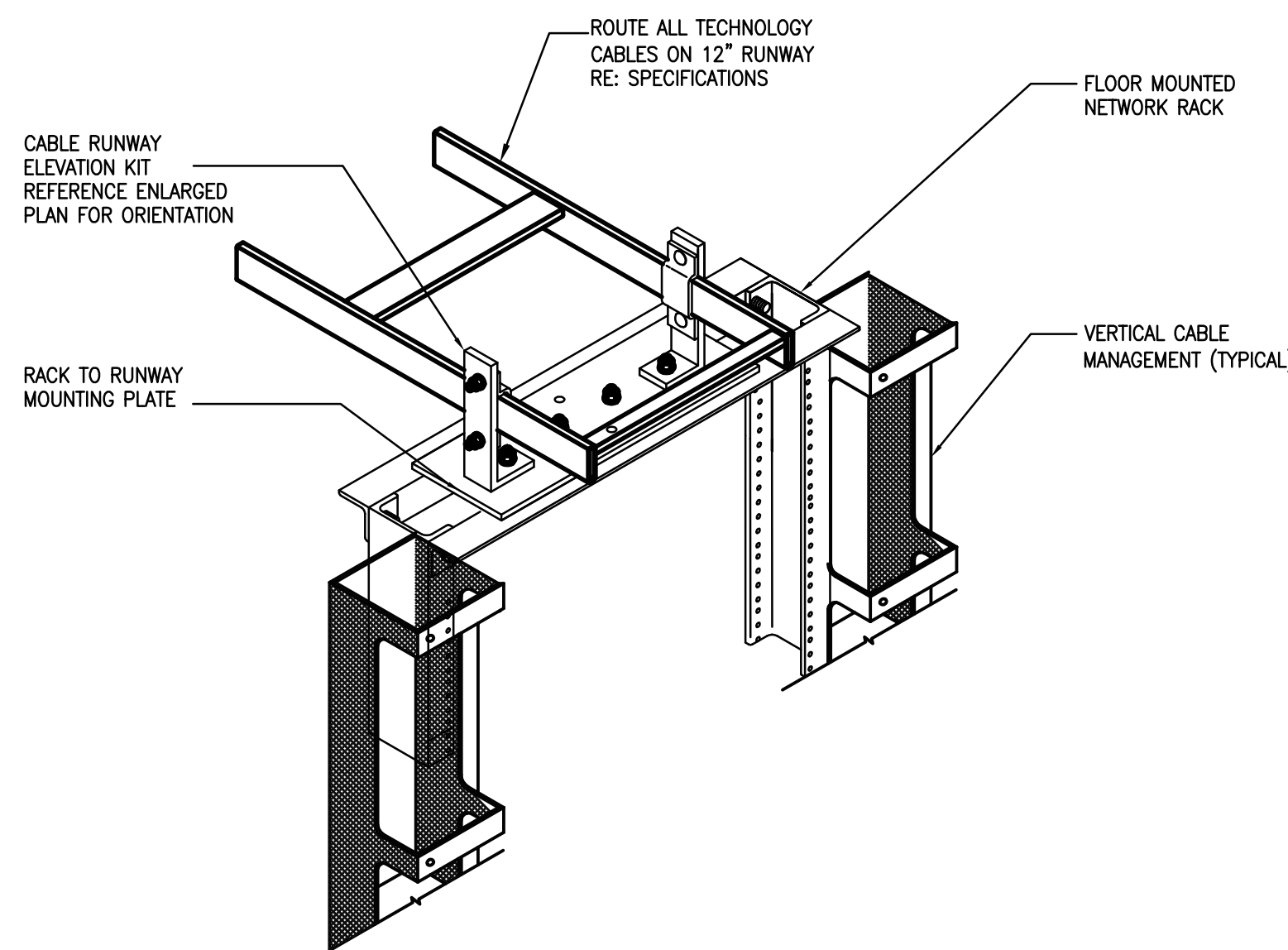
02 GROUND BUS BAR DETAIL

NOT TO SCALE



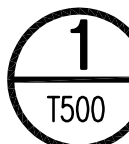
03 CABLE RUNWAY - BONDING AND BUTT SPLICE

NOT TO SCALE



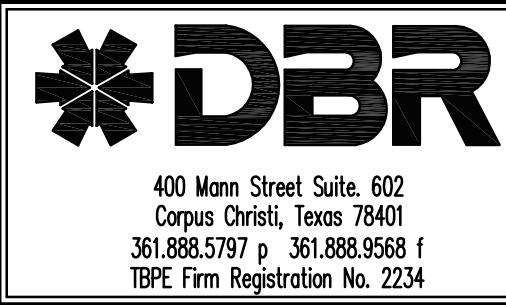
01 RACK TO RUNWAY DETAIL

NOT TO SCALE



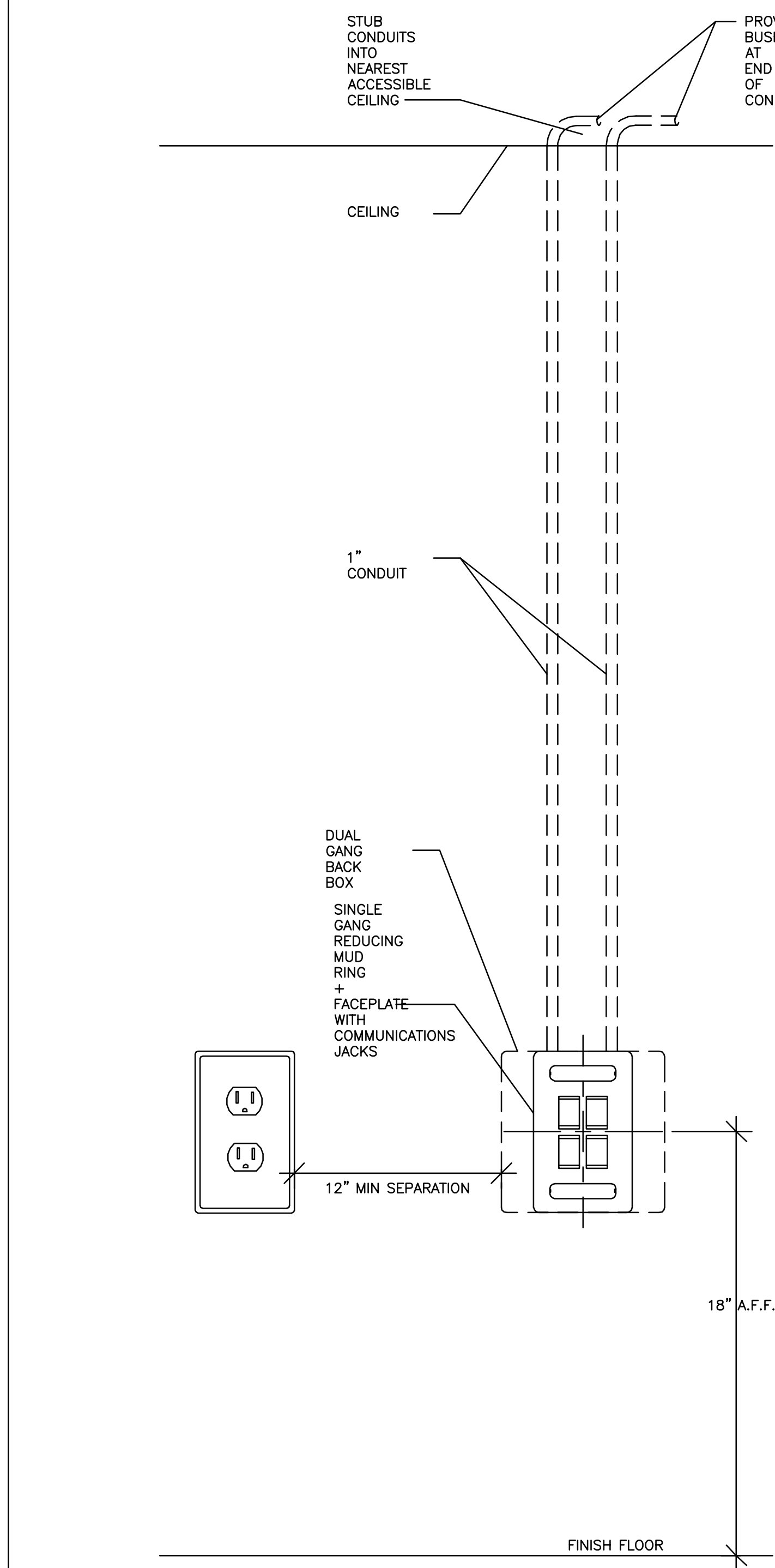
1 TECHNICAL SYSTEMS DETAIL - TECHNOLOGY AND A/V

NOT TO SCALE

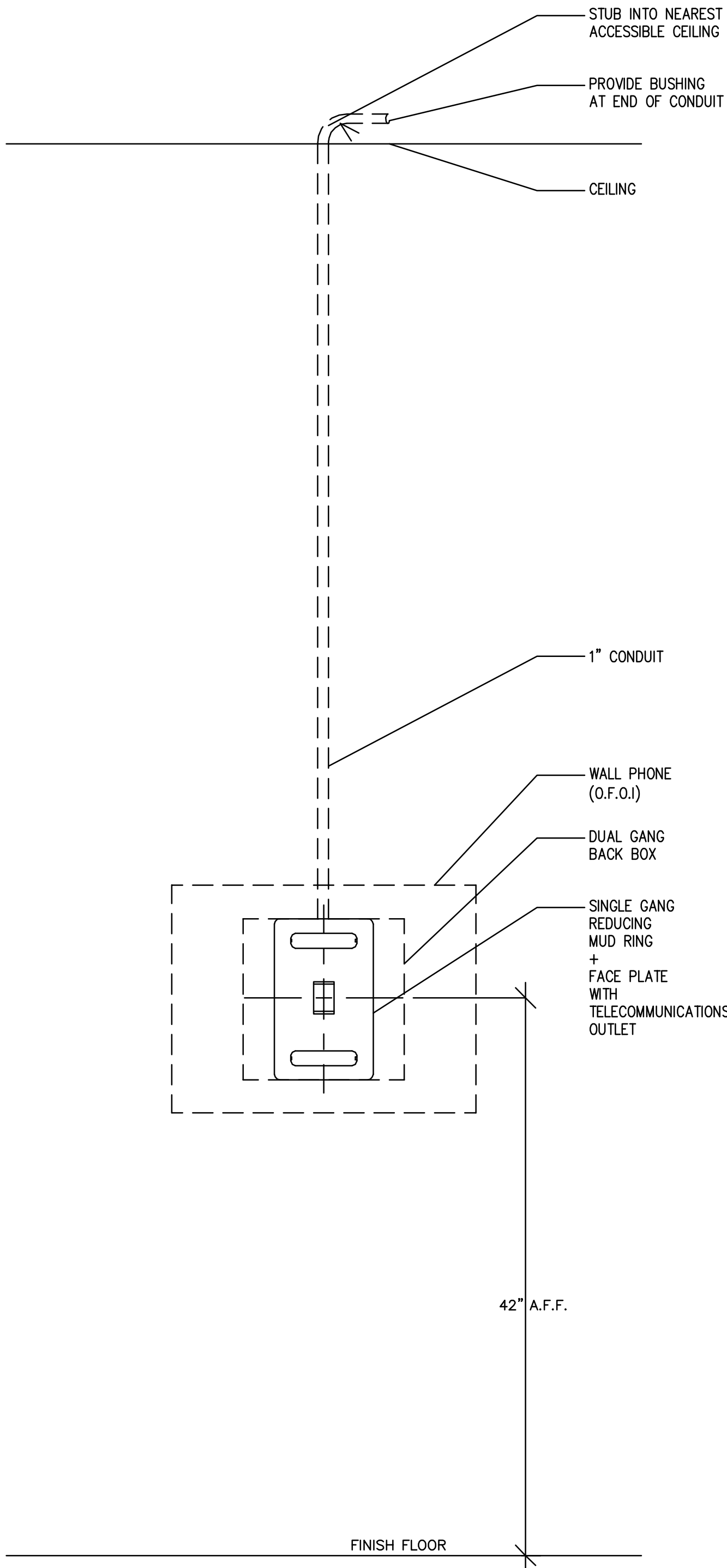


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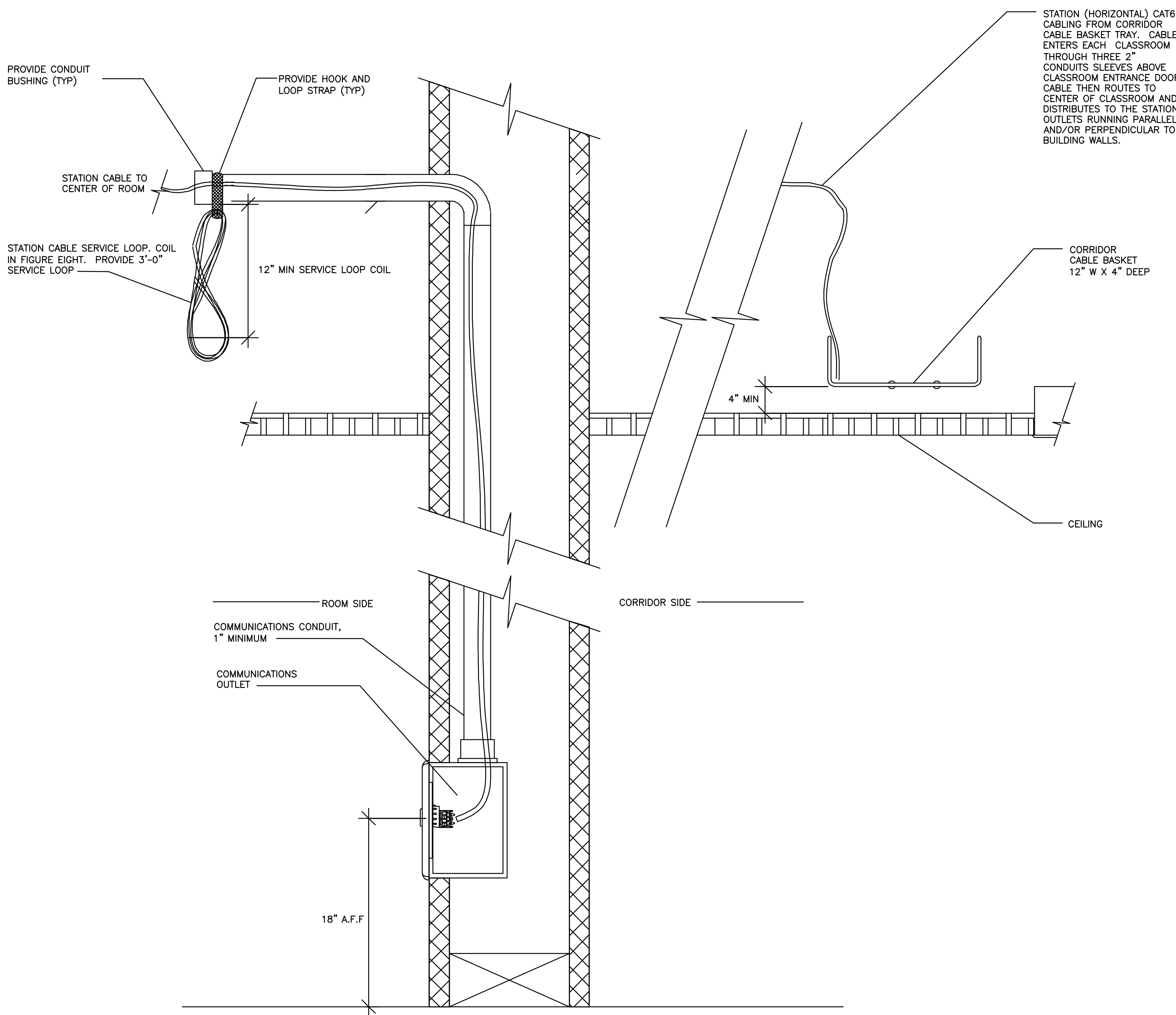
JT MG JB TL --



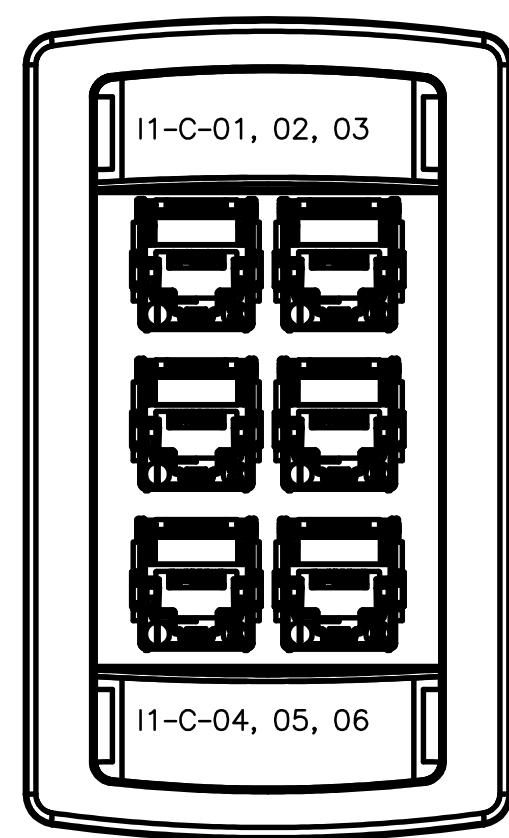
01 WORKSTATION OUTLET DETAIL NOT TO SCALE



02 WALLPHONE OUTLET NOT TO SCALE

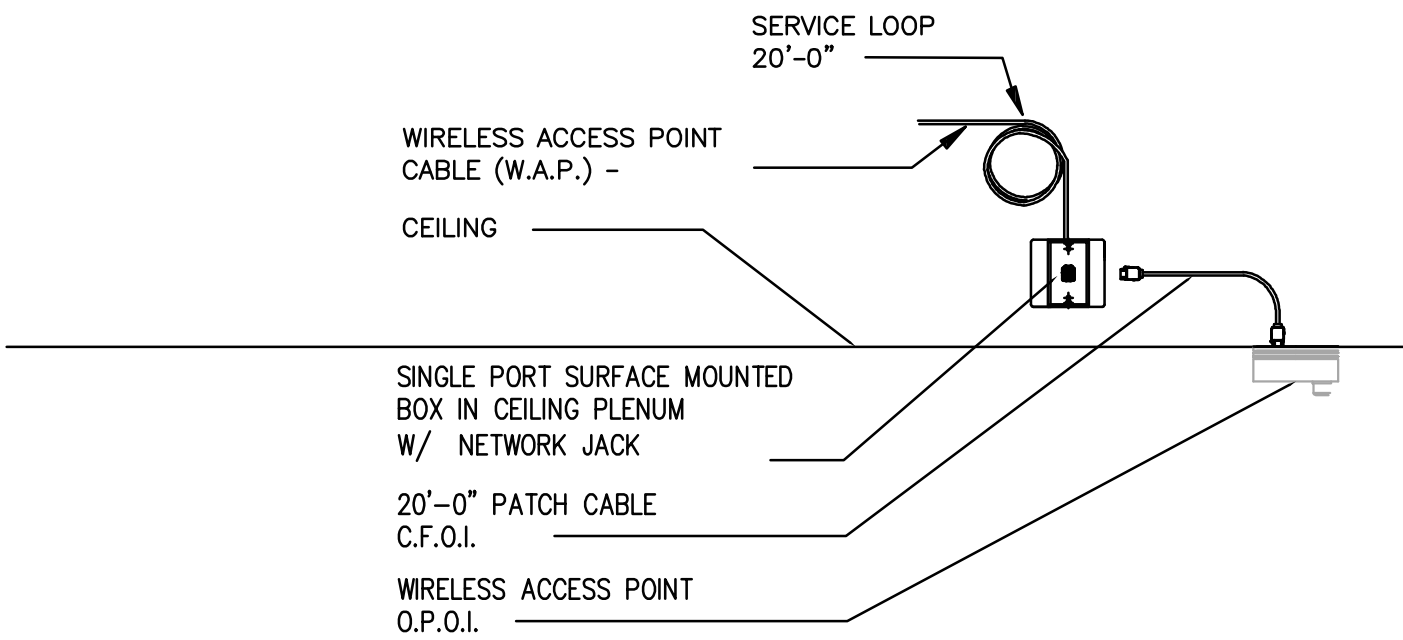


03 WALL OUTLET ROUGH-IN AND CABLE TRAY DISTRIBUTION NOT TO SCALE



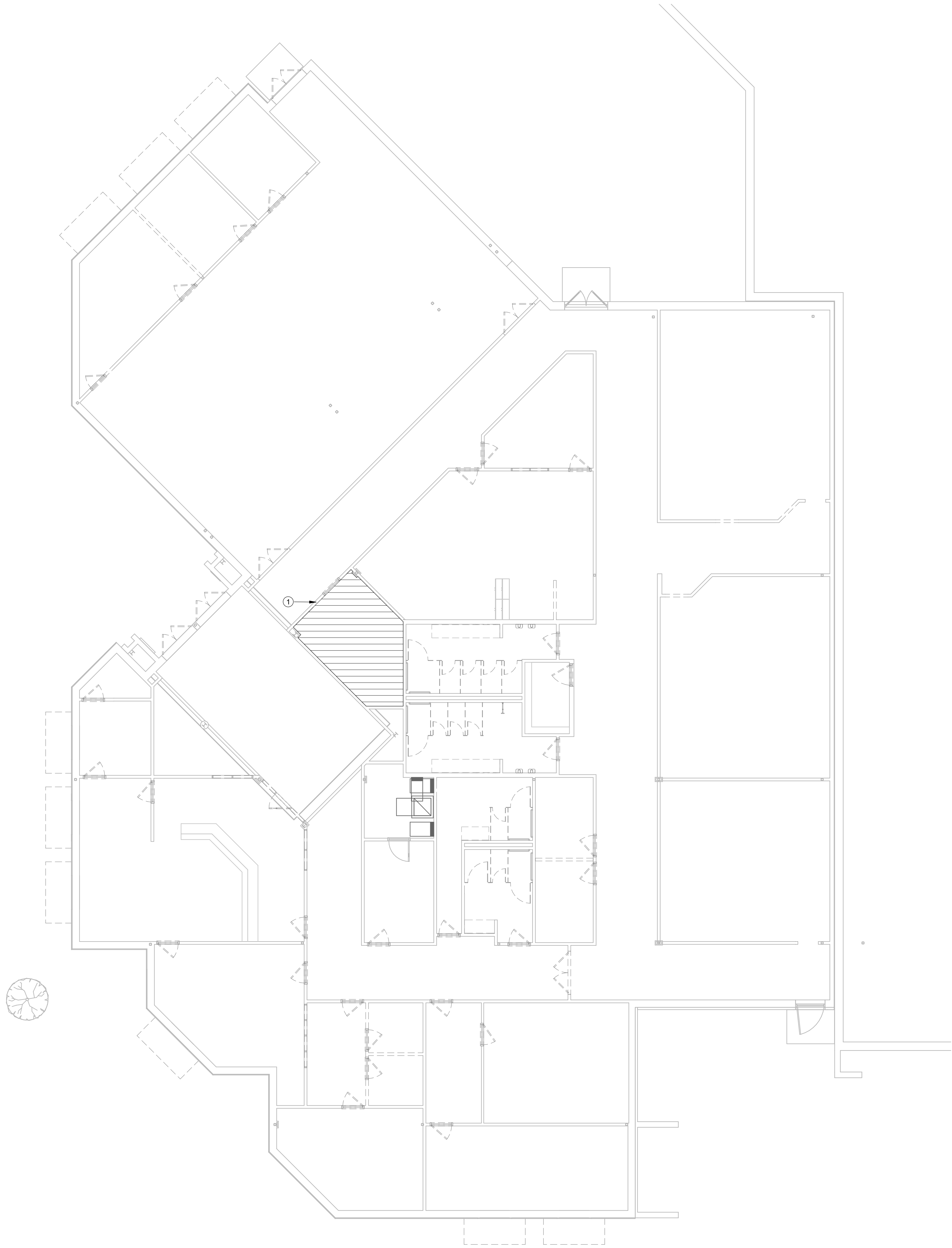
- FACEPLATE LABELING SHALL BE MACHINE GENERATED AND SHALL NOT BE LESS THEN 1/4" IN HEIGHT.
- PROVIDE BLANK INSERTS FOR ANY UNUSED PORTS
- COORDINATE EXACT LABELING SCHEME WITH OWNER AND ENGINEER.

04 NOT TO SCALE



05 FACEPLATE LABEL DETAIL NOT TO SCALE


06 WIRELESS ACCESS POINT DETAIL NOT TO SCALE



1 LEVEL 1 TECHNOLOGY DEMO PLAN
1/8" = 1'-0"

TECHNOLOGY DEMOLITION KEYED NOTES:

1. ALL WORK AREA STRUCTURED CABLING FEEDING THIS AREA OF WORK ORIGINATES IN THIS ROOM AND SHALL BE REMOVED IN ITS ENTIRETY FROM END TO END. COORDINATE ANY OUTAGES AND REMOVAL WITH OWNER, ARCHITECT, AND CONSULTANT (O.A.C.) TEAM PRIOR TO DEMOLITION. IF ANY STATION OR WORK AREA CABLING ORIGINATING IN THIS ROOM FEEDS AREAS THAT ARE NOT SHOWN ON THIS PLAN, CONTRACTOR SHALL LEAVE CABLE IN PLACE AND NOTIFY O.A.C. TEAM. THE OWNER SHALL BE GIVEN FIRST RIGHT OF REFUSAL FOR ANY EXISTING RACKS AND TELECOMMUNICATIONS EQUIPMENT TO BE REMOVED. ANY EQUIPMENT THAT THE OWNER DOES NOT CLAIM SHALL BE DISPOSED OF.



400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.888.5797 p
TBPE Firm Registration No. 2234

DBR Project Number 189005.000

JT	MG	JB	TL	--
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RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 07/09/2018
DWG BY: Author
CKD BY: Checker
JOB NO: 1706

REVISION:
SHEET NUMBER
TS101
LEVEL 1
TECHNOLOGY &
SECURITY DEMO
PLAN
SET NO.



ARCHITECTS

American Bank Plaza
7111 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwaarchitects.com



STATE OF TEXAS
JEFFREY D. TABB
87912
LICENSED PROFESSIONAL ARCHITECT
07/09/2018

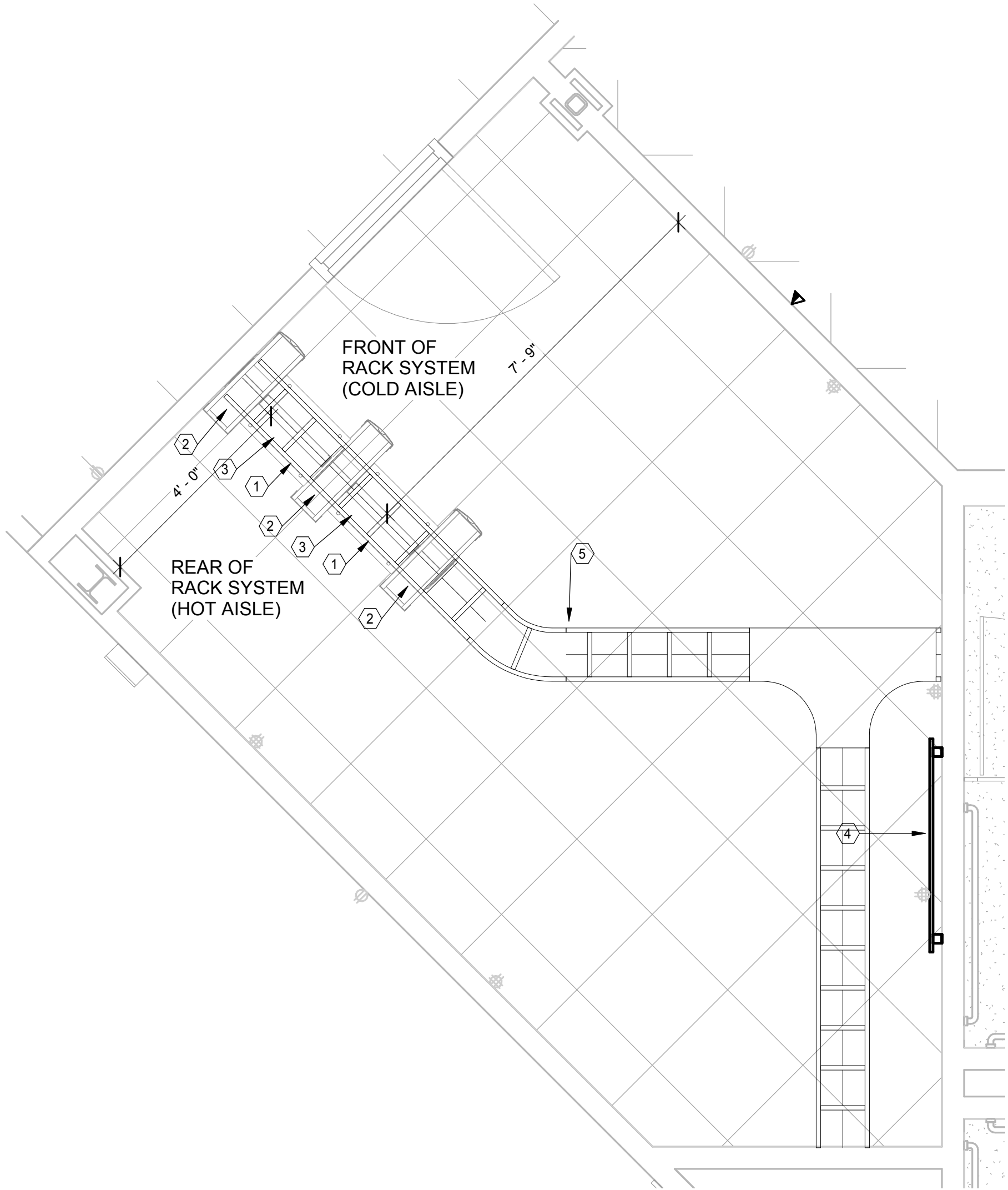
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ENLARGED PLAN GENERAL NOTES

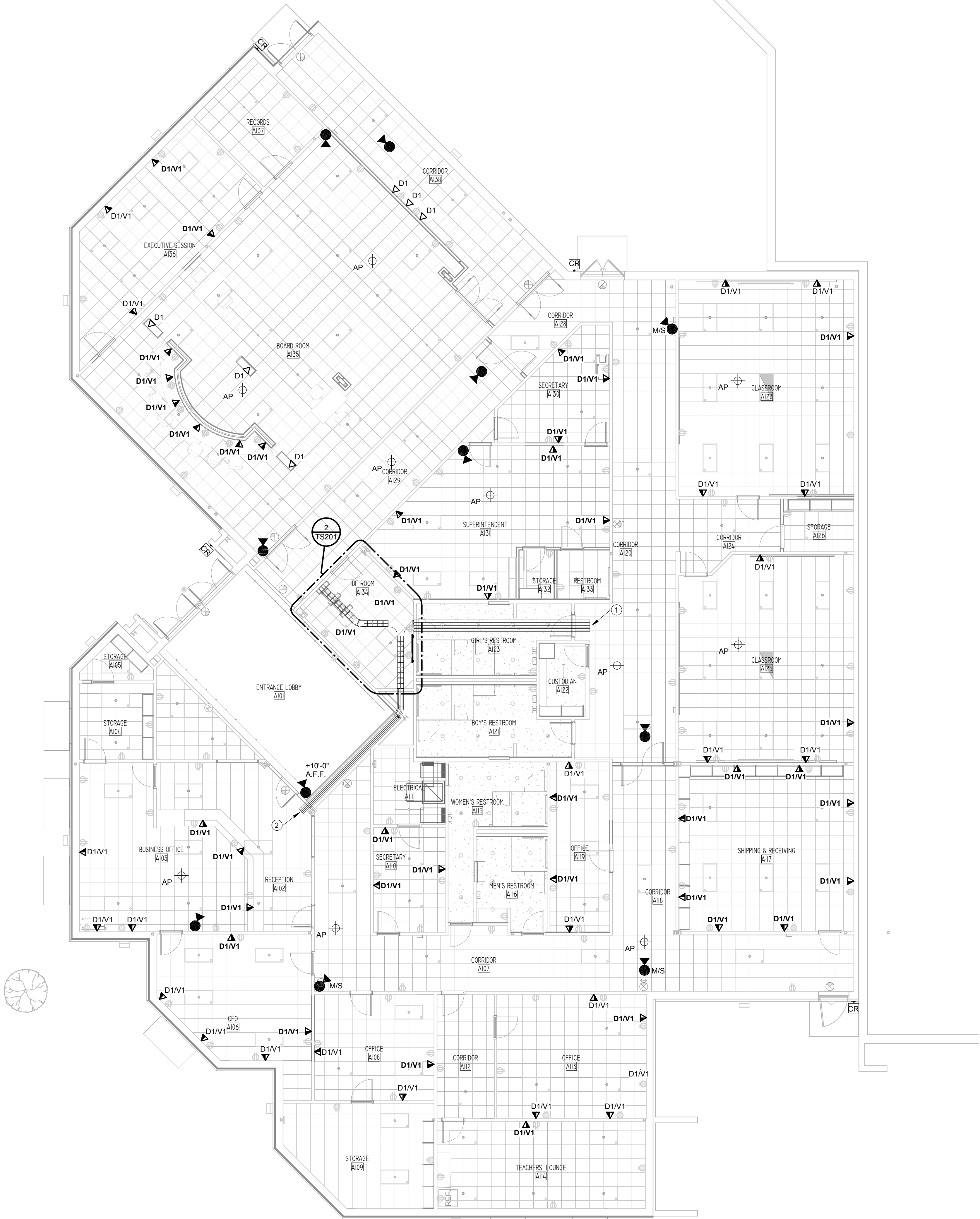
- A. ALL RACK LOCATIONS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- B. PATCH PANEL QUANTITY SHALL BE DETERMINED BY STATION CABLE DROP COUNTS SHOWN ON TS PLANS AND THE ASSOCIATED PROJECT MATRIX. ENSURE PATCH PANEL QUANTITY IS SUFFICIENT TO SUPPORT THE NUMBER OF PORTS REQUIRED BY TS PLANS PLUS AN ADDITIONAL 25% FOR FUTURE GROWTH.
- C. CONTRACTOR SHALL NOT MOUNT EXCEED MORE THAN A 50% RACK FILL RATIO ON ANY RACK.
- D. REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS
- E. ALL RACKS, LADDER TRAYS, LIGHTNING PROTECTION ENCLOSURES AND ANY OTHER DEVICES, PART OF THE STRUCTURED CABLEING SYSTEM, SHALL BE GROUNDED TO A GROUND BUS BAR LOCATED IN THE TELECOMMUNICATIONS ROOM WITH A #6AWG GROUND CABLE. DAISY CHAINING WILL NOT BE ACCEPTED. ALL ITEMS SHALL HAVE A DEDICATED GROUND CABLE TO BUS BAR. GROUND CABLE SHALL BE GREEN IN COLOR.

ENLARGED PLAN KEYED NOTES

- 1. PROVIDE AND INSTALL (1) 2-POST, FLOOR MOUNTED RELAY RACK.
- 2. PROVIDE AND INSTALL (1) 7'X6" FRONT AND REAR MANAGED, VERTICAL CABLE MANAGER AT THIS LOCATION.
- 3. PROVIDE AND INSTALL RACK-TO-RUNWAY MOUNTING PLATE FOR ALL LOCATIONS WHEN ASSOCIATED WITH A 2-POST OR 4-POST RACK. RACK SHALL BE BLACK IN COLOR. PROVIDE (1) 6" LADDER TRAY ELEVATION KIT AT EACH RACK-TO-RUNWAY MOUNTING PLATE LOCATION.
- 4. PLYWOOD BACK BOARD.
- 5. PROVIDE OVERHEAD CABLE TRAY.



2 IDF ROOM A134 ENLARGED PLANS
1/2" = 1'-0"



1 LEVEL 1 TECHNOLOGY PLAN
1/8" = 1'-0"

TECHNOLOGY GENERAL NOTES

- A. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS.
- B. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- C. REFER TO TECHNICAL SYSTEMS OVERALL PLANS FOR EXTERIOR CAMERAS AND ADDITIONAL INFORMATION.
- D. REFER TO TECHNOLOGY NOTES AND LEGEND, TECHNICAL SYSTEMS DETAILS, TECHNICAL SYSTEMS SCHEDULES AND SPECIFICATIONS FOR EXTERIOR CAMERAS AND ADDITIONAL INFORMATION.
- E. EACH CEILING DSAP TECHNOLOGY OUTLET, LOCATED IN CLASSROOMS, LABS, AND GROUP INSTRUCTIONAL SPACES, ARE DESIGNATED AS FOLLOWS:
 - WIRELESS ACCESS POINT (1 CATEGORY CABLE)
 - IP INTERCOM SPEAKER (1 CATEGORY CABLE WHITE IN COLOR)
 - CEILING MOUNT PROJECTOR (1 CATEGORY CABLE)
 - MEDIA GATEWAY (1 CATEGORY CABLE)
- F. ALL EXISTING SYSTEMS SHALL BE FULLY TESTED FOR FUNCTIONALITY PRIOR TO THE COMMENCEMENT OF DEMOLITION. THE FUNCTIONALITY OF ALL DEVICES SHALL BE DOCUMENTED AND REPORTED PRIOR TO REMOVAL. ITEMS NOT FUNCTIONING, AND WERE NOT REPORTED TO NON-FUNCTIONAL, NOT PROPERLY FUNCTIONING SHALL BE REPLACED AT NO COST TO THE OWNER OR THE PROJECT. REPAIR AND/OR REPLACEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- G. ALL EXISTING CEILING MOUNTED DEVICES SHALL BE REMOVED DURING CONSTRUCTION, ALLOWING FOR COMPLETE REMOVAL OF THE EXISTING CEILING. CONTRACTOR TO DOCUMENT DEVICE LOCATION AND INSTALL EACH DEVICE AT THE LOCATION IT WAS REMOVED FROM. CONTRACTOR SHALL BEAR ALL RESPONSIBILITY IN MAINTAINING THE INTEGRITY OF ALL EXISTING SYSTEM CABLE THAT IS TO REMAIN.
- H. ALL EXISTING DEVICES, THAT ARE TO BE REMOVED AND REINSTALLED, SHALL BE REINSTALLED IN THE EXISTING LOCATION. UNLESS THE EXISTING AREA IS BEING COMPLETELY RENOVATED. REFERENCE FLOOR PLAN OF THE RENOVATED AREAS FOR NEW DEVICE LOCATION.
- I. CONTRACTOR SHALL PROVIDE A ONE (1) YEAR PARTS AND LABOR WARRANTY ON ALL NEW DEVICES AND EXISTING DEVICES BEING REUSED.
- J. ALL EXISTING EXTERIOR VIDEO SURVEILLANCE CAMERAS ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. CONTRACTOR TO FIELD VERIFY ALL LOCATIONS AND TAKE ALL MEASURES REQUIRED TO MAINTAIN THE INTEGRITY AND FUNCTIONALITY OF ALL CAMERAS, CABLE, AND ASSOCIATED HARDWARE.
- K. ALL EXISTING ACCESS CONTROL, VIDEO SURVEILLANCE, AND INTRUSION DETECTION DEVICES TO BE INSTALLED IN THE SAME, ORIGINAL LOCATIONS. RECONNECT TO SYSTEM AND RE-CERTIFIED FOR PROPER FUNCTIONALITY.
- L. REFERENCE TECHNOLOGY DEMOLITION PLANS FOR LOCATIONS OF EXISTING CAMERAS, CARD READERS, LOCAL SOUND SYSTEMS, INTRUSION DETECTION DEVICES, WIRELESS ACCESS POINTS, WALL MOUNTED TELEPHONES, AND CEILING MOUNTED PROJECTORS THAT ARE TO REMAIN, BE RELOCATED, OR BE REMOVED IN THEIR ENTIRETY.

TECHNOLOGY KEYED NOTES

- 1. PROVIDE FOUR (4) 4" CONDUITS FROM IDF TO CEILING PLENUM. CONDUITS WILL SERVE AS DISTRIBUTION PATHWAYS FOR STRUCTURE CABLEING SYSTEM.
- 2. PROVIDE TWO (2) 4" CONDUITS FROM IDF TO CEILING PLENUM. CONDUITS WILL SERVE AS DISTRIBUTION PATHWAYS FOR STRUCTURE CABLEING SYSTEM.

RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

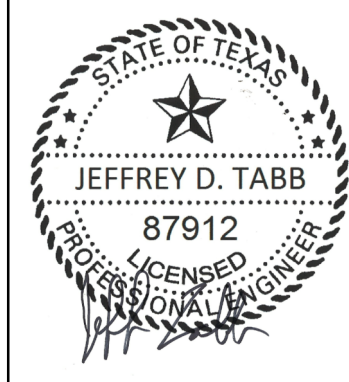
LWA
ARCHITECTS
American Bank Plaza
711 N. Garza Street, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwaarchitects.com

STATE OF TEXAS
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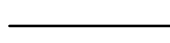
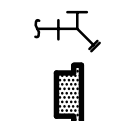


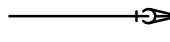


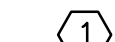
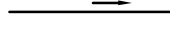
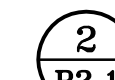


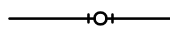



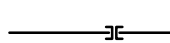
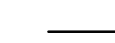
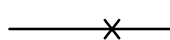




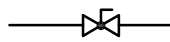


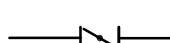


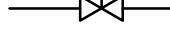



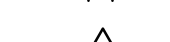















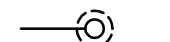
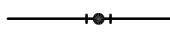








KEYPLAN

DATE: 07/09/2018
DWG BY: Author
CKD BY: Checker
JOB NO: 1706
REVISION:
SHEET NUMBER
TS201
LEVEL 1
TECHNOLOGY &
SECURITY PLAN
SET NO.

DBR
400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.888.5797 p
TBPE Firm Registration No. 2234
DBR Project Number 189005.000
JT MG JB TL --



(NOT ALL ITEMS INDICATED APPLY TO THIS PROJECT)

ABBREVIATIONS			SYMBOLS			MISCELLANEOUS					
A		F		N		U		PIPING FITTINGS			
A	AIR (COMPRESSED)	F	FARENHEIT, FIRE	N.C.	NORMALLY CLOSED	U	URINAL		CAP ON END OF PIPE		HOSE BIBB
ABV	ABOVE	FBO	FURNISHED BY OTHERS	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	UCD	UNDER CUT DOOR		WALL HYDRANT		PLUMBING FIXTURES
AC	ABOVE CEILING	FCD	FLOOR CLEAN OUT	NC	NOT IN CONTRACT	UG	UNDERGROUND		ELBOW UP		POINT OF NEW CONNECTION TO EXISTING PIPING
AD	ACCESS DOOR, AREA DRAIN	FCS	FLOOR CONTROL STATION	N.O.	NORMALLY OPEN	UH	UNIT HEATER		ELBOW DOWN		PLUMBING DRAWING NOTE REFERENCE
ADJ	ADJUSTABLE	FD	FLOOR DRAIN, FIRE DAMPER	N.O.	NORMALLY OPEN	UL	UNDERWRIERS LABORATORIES, INC.		VALVE IN DROP		DETAIL NUMBER OR PLAN
AFF	ABOVE FINISHED FLOOR	FDSC	FIRE DEPARTMENT SIAEMSE CONNECTION	N.O.	NORMALLY OPEN	UNO	UNLESS NOTED OTHERWISE		VALVE IN RISE		FLOW SWITCH
AFG	ABOVE FINISHED GRADE	FDFV	FIRE DEPARTMENT VALVE	NO.	NUMBER	U/F	UNDERFLOOR		DIRECTION OF FLOW		TAMPER SWITCH
AHU	AIR HANDLING UNIT	FH	FIRE DEPARTMENT VALVE	NTS	NOT TO SCALE	U/S	UNDERSLAB		DIRECTION OF SLOPE DOWN		FIRE HOSE CABINET
AL	ALUMINUM	FHC	FIRE HOSE CABINET						CONCENTRIC REDUCER		FIRE DEPARTMENT SIAEMSE CONNECTION(WALL MOUNTED)
AP	ACCESS PANEL	FHR	FIRE HOSE RACK						ECCENTRIC REDUCER		FIRE DEPARTMENT SIAEMSE CONNECTION(FREE STANDING)
ARCH	ARCHITECT, ARCHITECTURAL	FIXT	FIXTURE	OC	ON CENTER				TEE OUTLET UP		
AS	AIR SEPARATOR	FLEX	FLEXIBLE	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN				TEE OUTLET DOWN		
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	FL	FLOW LINES	ODU	OUTSIDE AIR FAN COIL UNIT				UNION		
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	FLR	FLOOR	OPC	OPENING				FLANGE		
AV	ACID VENT	FP	FIRE PUMP	OS&Y	OPEN STEM AND YOLK				PIPE ANCHOR		
AVG	AVERAGE	FRZR	FREEZER	O	MEDICAL OXYGEN				EXPANSION JOINT		
AW	ACID WASTE	FS	FLOW SWITCH, FIRE SPRINKLER						STRAINER WITH BLOWDOWN VALVE		
AWS	AMERICAN WELDING SOCIETY	FT	FOOT, FEET						GATE VALVE, HVAC BALANCING/STOP VALVE		
AUX	AUXILIARY	FUT	FUTURE						GLOBE VALVE		
B		G		P		W		PIPING FITTINGS			
B	BOILER	G	GAS	P	PUMP, PLUMBING EQUIPMENT	W	WATT, WASTE, WIDTH, WASHER		BALL VALVE		
BC	BELOW COUNTER	GA	GAUGE	PC	PLUMBING CONTRACTOR	W/O	WITHOUT		BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS		
B/C	BACK OF CURB	GAL	GALLON	PD	PRESSURE DROP, PLANTER DRAIN	W/	WITH		CHECK VALVE		
BF	BELOW FLOOR	GALV	GALVANIZED	PH	PHASE, POST HYDRANT	W/O	WITHOUT		BUTTERFLY VALVE		
BFV	BUTTERFLY VALVE	GC	GENERAL CONTRACTOR	PV	POST INDICATOR VALVE	WC	WALL CLEANOUT		TWO-WAY MODULATING CONTROL VALVE		
BH	BOX HYDRANT	GLV	GLOBE VALVE	PVB	PUMP VALVE	WH	WALL HYDRANT		THREE-WAY MODULATING CONTROL VALVE		
BLDG	BUILDING	GND	GROUND	PLBG	PLUMBING	WHA	WATER HAMMER ARRESTOR		SOLENOID VALVE		
BM	BENCHMARK	GPD	GALLONS PER DAY	PNEU	PNEUMATIC	WM	WATER METER		PRESSURE REDUCING VALVE		
BOF	BOTTOM OF FOOTING	GPH	GALLONS PER HOUR	PNL	PANEL	WP	WEATHERPROOF		GAS REGULATOR		
BOS	BOTTOM OF STRUCTURE	GPM	GALLONS PER MINUTE	PNT	PENTHOUSE	WPD	WATER PRESSURE DROP		GAS COCK		
BT	BATH TUB	GV	GATE VALVE	PNU	POLYURETHANE	WWF	WELDED WIRE FABRIC		SPRINKLER FLOOR CONTROL STATION		
BTU	BRITISH THERMAL UNIT			PNT	POLYURETHANE	WT	WATER TIGHT, WEIGHT		MANUAL AIR VENT		
BV	BALL VALVE			PNT	POLYURETHANE				AUTOMATIC AIR VENT		
BWV	BACK WATER VALVE			PNT	POLYURETHANE				T&P RELIEF VALVE		
C		H		Q		Y		PIPING FITTINGS			
C	CELSIUS	HB	HOSE BIBB	QTY	QUANTITY	Y	YARD HYDRANT		LINE CLEANOUT / WALL CLEANOUT		
CAB	CABINET	HD	HEAD, HUB DRAIN			Z	ZONE		FLOOR CLEANOUT		
CB	CATCH BASIN	HORIZ	HORIZONTAL						YARD CLEANOUT		
CD	CONDENSATE DRAIN LINE	HP	HORSEPOWER						PRESSURE GAUGE WITH GAUGE COCK		
CFM	CUBIC FEET PER MINUTE	HKP	HOUSEKEEPING PAD	RCP	REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE				THERMOMETER		
CFPS	CUBIC FEET PER SECOND	HSC	HORIZONTAL SPLIT CASE	RD	ROOF DRAIN				WATER METER		
CH	CHILLER	HT	HEIGHT	RE	REFERENCE, REFER				FLEXIBLE CONNECTION		
CP	CIRCULATING PUMP	HTG	HEATING	RECIRC	RE-CIRCULATE				PRESSURE AND TEMPERATURE TAP		
CI	CAST IRON	HW	HOT WATER	RED	REDUCER				FLOW VENTURI		
CL	CIRCULATING	HWR	HOT WATER RETURN	REDR	REDUCER				VACUUM BREAKER		
CLG	CENTERLINE	HWS	HOT WATER SUPPLY	REIN	REINFORCING				VACUUM RELIEF VALVE		
CLR	CLEAR	HZ	HERTZ	REO	REQUIRED				BACKFLOW PREVENTOR		
CMU	CONCRETE MASONRY UNIT			REV	REVISION, REVISE				CIRCULATING PUMP		
CPI	CAST IRON PIPE INSTITUTE	I		RM	ROOM	Z		PIPING FITTINGS			
CPVC	CHLORINATED POLYVINYL CHLORIDE	ID	INSIDE DIAMETER	RTU	ROOFTOP UNIT			PIPING FITTINGS			
CO	CLEAN OUT	IE	INVERT ELEVATION	RV	RELIEF VALVE			PIPING FITTINGS			
COL	COLUMN	IN	INCH					PIPING FITTINGS			
COMB	COMBINATION	INSUL	INSULATION					PIPING FITTINGS			
COMP	COMPRESSOR	INT	INTERNAL, INTERIOR					PIPING FITTINGS			
CONC	CONCRETE, CONCENTRIC	IW	INDIRECT WASTE					PIPING FITTINGS			
CONN	CONNECTION	J						PIPING FITTINGS			
CONT	CONTINUOUS, CONTINUATION	JP	JOCKEY PUMP					PIPING FITTINGS			
CONTR	CONTRACTOR	K						PIPING FITTINGS			
CRAC	COMPUTER ROOM A/C UNIT	KEC	KITCHEN EQUIPMENT CONTRACTOR	SCHED	SCHEDULED			PIPING FITTINGS			
CTR	CENTER	KO	KNOCKOUT	SD	STORM DRAIN			PIPING FITTINGS			
CJ	COPPER	KVA	KILOVOLT- AMPS	SE	SEWAGE EJECTOR			PIPING FITTINGS			
CW	COLD WATER	KW	KILOWATT	SEC	SECONDARY			PIPING FITTINGS			
D		L		SECT	SECTION			PIPING FITTINGS			
D	DEPTH, DRAIN, DRYER	L	LENGTH, LAVATORY	SF	SQUARE FEET			PIPING FITTINGS			
DESIG	DESIGNATION	LAV	LAVATORY	SFCS	SPRINKLER FLOOR CONTROL STATION			PIPING FITTINGS			
DTL	DETAIL	LF	LINEAR FEET	SH	SHOWER			PIPING FITTINGS			
DF	DRINKING FOUNTAIN	LP	LOW PRESSURE	SHT	SHEET			PIPING FITTINGS			
DA	DIAMETER	LRA	LOCKED ROTOR AMPS	SM	SIMILAR			PIPING FITTINGS			
DM	DIMENSION	LVL	LEVEL	SK	SINK			PIPING FITTINGS			
DSC	DISCONNECT	LWD	LOW WATER CUT OFF	SP	SUMP PUMP, STATIC PRESSURE			PIPING FITTINGS			
DN	DOWN			SPEC	SPECIFICATION			PIPING FITTINGS			
DS	DOWNSPOUT, DOUBLE SUCTION			SPR	SPRINKLER			PIPING FITTINGS			
DW	DISHWASHER	M		SQ	SQUARE			PIPING FITTINGS			
DWG	DRAWING	MAX	MAXIMUM	SS	SERVICE SINK			PIPING FITTINGS			
DWH	DOMESTIC WATER HEATER	MBTUH	THOUSAND OF BTU'S	SSD	SUBSURFACE DRAIN			PIPING FITTINGS			
DWP	DOMESTIC WATER PUMP	MC	MECHANICAL CONTRACTOR	SSFU	SANITARY SEWER FIXTURE UNITS			PIPING FITTINGS			
E		MECH	MECHANICAL	STD	STANDARD			PIPING FITTINGS			
EA	EACH	MFR	MANUFACTURER	STL	STEEL			PIPING FITTINGS			
EC	ELECTRICAL CONTRACTOR	MH	MANHOLE	STR	STRAINER			PIPING FITTINGS			
ECC	ECCENTRIC	MI	MALLEABLE IRON	SURF	SURFACE			PIPING FITTINGS			
EDF	ELECTRIC DRINKING FOUNTAIN	MIN	MINIMUM	SUSP	SUSPEND			PIPING FITTINGS			
EFF	EFFICIENCY	MP	MEDIUM PRESSURE	SU	SANITARY VENT			PIPING FITTINGS			
EJ	EXPANSION JOINT	MTD	MOUNTED	SW	SOFT WATER			PIPING FITTINGS			
EL	ELEVATION	MU	MAKE-UP					PIPING FITTINGS			
ELEC	ELECTRICAL							PIPING FITTINGS			
ELEV	ELEVATOR							PIPING FITTINGS			
EMERG	EMERGENCY							PIPING FITTINGS			
ENCL	ENCLOSURE							PIPING FITTINGS			
ENGR	ENGINEER							PIPING FITTINGS			
EQ	EQUAL							PIPING FITTINGS			
EQUIP	EQUIPMENT							PIPING FITTINGS			
ET	EXPANSION TANK							PIPING FITTINGS			
ETR	EXISTING TO REMAIN							PIPING FITTINGS			
EXT	EXTERNAL							PIPING FITTINGS			
EXTG	EXISTING							PIPING FITTINGS			
				T				PIPING FITTINGS			
				TD	TRENCH DRAIN				TRAP PRIMER		
				TDH	TOTAL DYNAMIC HEAD				DRAIN LINE		
				TH BLK	THRUST BLOCK				SOFT WATER		
				TP	TRAP PRIMER						
				TPD	TRAP PRIMER DEVICE						
				TYP	TYPICAL						

KEYPLAN

DATE:	05/22/2018
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DWG BY: DBR

CKD BY:	DBR
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JOB NO:	1706
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REVISION:

SHEET NUMBER

P000

PLUMBING

LEGENDS

SET NO.

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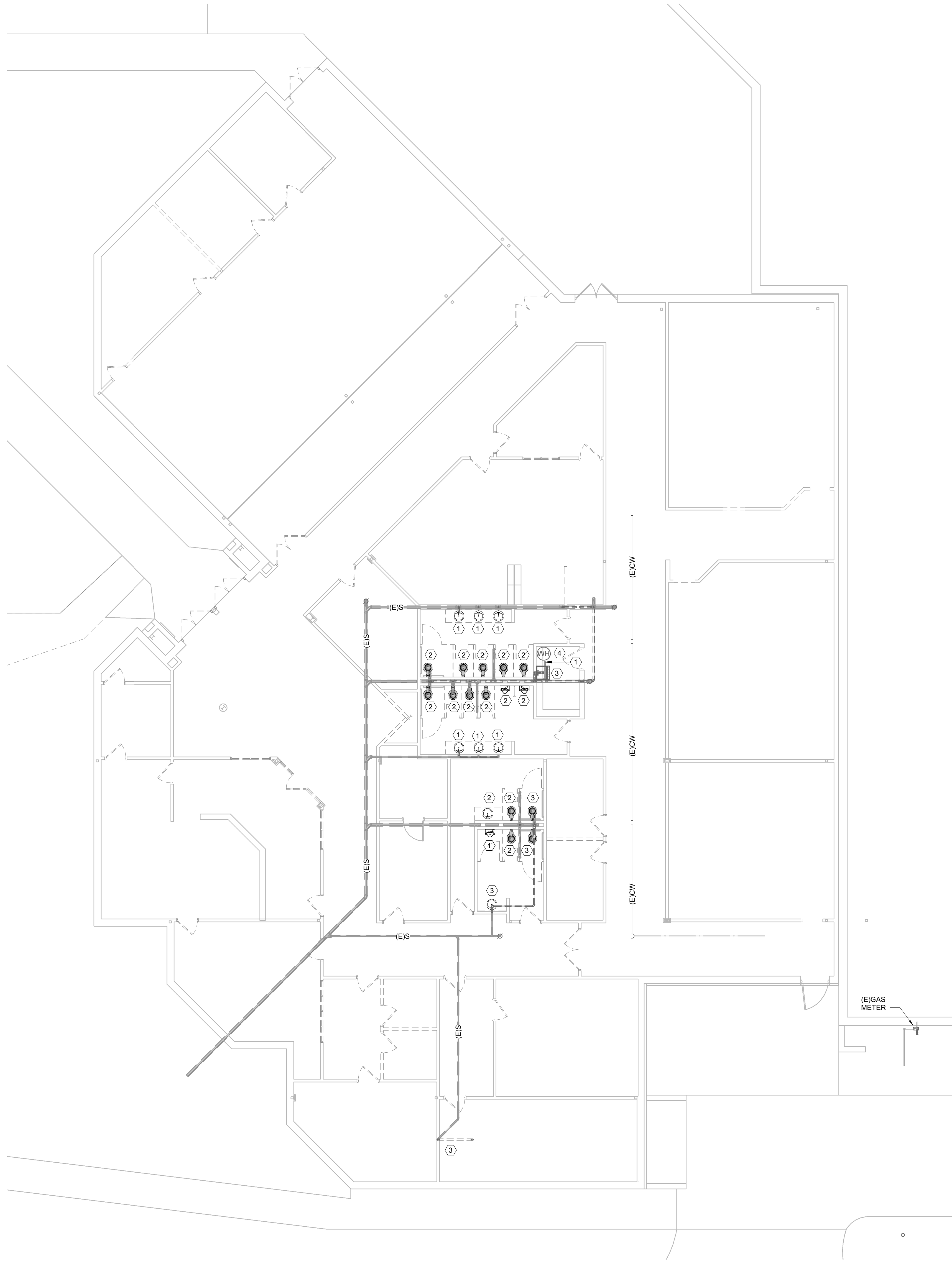
DBR Project Number	189005 000
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JT	MG	JB	IL	--
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GENERAL NOTES:

- (A) SIZES AND LOCATION OF EXISTING PIPINGS SHOWN WERE TAKEN FROM ENGINEERING PLANS FROM WHICH EXISTING SYSTEMS WERE INSTALLED. CONTRACTOR NEED TO FIELD VERIFY EXACT SIZES, CONDITIONS AND LOCATIONS OF INDICATED EXISTING UTILITIES.
- (B) ALL FIXTURES, EQUIPMENT AND PLUMBING LINES SHOWN WITH (E) ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.
- (C) THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING ALL WORK UNDER THIS SECTION OF THE PROJECT IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES INCLUDING THOSE PUBLISHED BY OSHA AND EPA.
- (D) THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED PRIOR TO BIDDING. CONTRACTOR SHALL IDENTIFY/VERIFY ALL PLUMBING LINES BEFORE STARTING ANY DEMOLITION WORK.
- (E) CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW. HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS. PATCH AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING WITH OTHER TRADES.
- (F) ALL EXISTING PLUMBING FIXTURES AND EQUIPMENT REMOVED DURING CONSTRUCTION THAT ARE NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.
- (G) PROVIDE ALL WORK REQUIRED FOR THE REMOVAL OF FIXTURES TO BE DEMOLISHED AND INSTALLATION OF NEW FIXTURES AND ASSOCIATED SERVICES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- (H) PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCH'L DOCUMENTS IN ADDITION TO THE MECHANICAL AND ELECTRICAL DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.
- (I) COORDINATE DEMOLITION OF PLUMBING SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.

PLUMBING DEMO KEYED NOTES:

- (1) DEMOLISH EXISTING FIXTURES INCLUDING ALL ASSOCIATED TRIMS AND PLUMBING LINES, CAP DRAIN LINE BELOW SLAB, CAP VENT AND DOMESTIC WATER LINES UP TO LAST ACTIVE SOURCE.
- (2) DEMOLISH EXISTING FIXTURE AND REWORK/ADJUST EXISTING PLUMBING LINES FOR SERVICE TO NEW FIXTURE. RE: E/P2.01.
- (3) DEMOLISH EXISTING FIXTURE/S, PREPARE EXISTING ROUGH-INS FOR NEW FIXTURE IN THE SAME LOCATION, REWORK/ADJUST TO MEET TAS REQUIREMENT IF NEEDED.
- (4) DEMOLISH EXISTING ELECTRIC WATER HEATER, A NEW WALL HUNG UNIT WILL BE INSTALLED. RE: 1/P2.01.

**RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS**

LWA

ARCHITECTS

American Bank Plaza
711 N. Garza Street, Suite 404
Corpus Christi, Texas 78401

Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com

STATE OF TEXAS
JEFFREY D. TABB
87912
LICENSED PROFESSIONAL ENGINEER
05/22/2018

KEYPLAN

DATE: 05/22/2018
DWG BY: DBR
CKD BY: DBR
JOB NO: 1706
REVISION:
SHEET NUMBER
P101
LEVEL 1 PLUMBING
DEMO PLAN

SET NO.

DBR

400 Mann Street, Suite 602
Corpus Christi, TX 78401
361.888.5797 p
TBPE Firm Registration No. 2234

DBR Project Number 189005.000

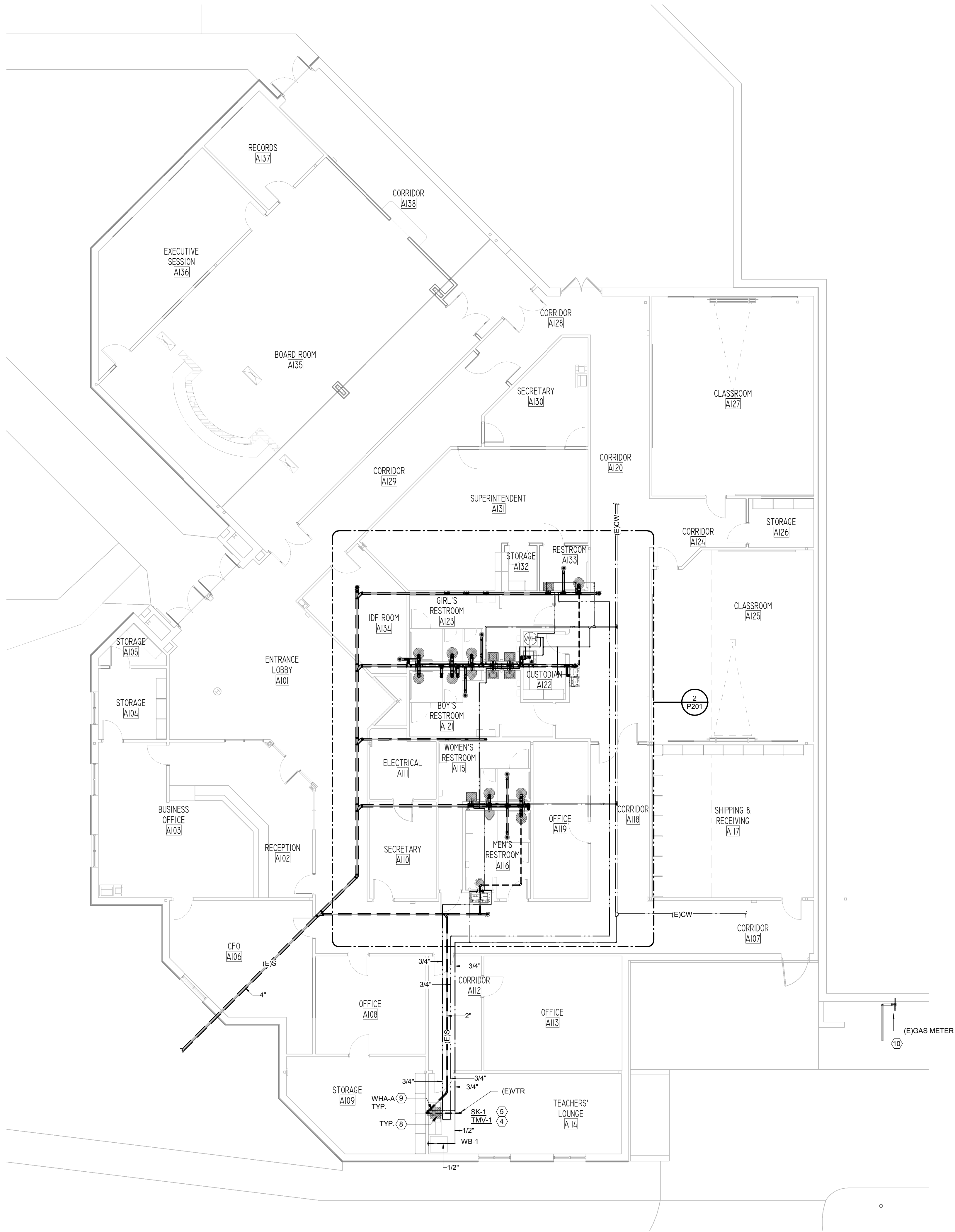
JT

MG

JB

TL

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1 LEVEL 1 PLUMBING PLAN
P201 1/8" = 1'-0"



2 ENLARGED PLUMBING PLAN - RESTROOMS
P201 1/4" = 1'-0"

FIRE PROTECTION NOTES:

- PROVIDE WET PIPE SPRINKLER FIRE SUPPRESSION SYSTEM THROUGHOUT AREAS OF RENOVATION. CONNECT TO EXISTING SPRINKLER SYSTEM AT ADJACENT BUILDING. SITE VISIT IS REQUIRED PRIOR TO BIDDING TO DETERMINE FULL SCOPE OF WORK.
- PROVIDE FIRE ALARM SYSTEM AS REQUIRED BY LOCAL, STATE OR FEDERAL CODES TO RECEIVE CERTIFICATE OF OCCUPANCY FOR THE PROJECT.
- PROVIDE AND INSTALL SURFACE MOUNTED FIRE EXTINGUISHERS. TYPE AND QUANTITY AND LOCATIONS SHALL BE AS PER LOCAL AUTHORITIES.
- CONTRACTOR IS RESPONSIBLE FOR TESTING AND INSPECTING EXISTING SYSTEM AND INSURE THAT ALL COMPONENTS ARE FULLY FUNCTIONING.
- THE DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13, AND NFPA 24 AND ALL LOCAL CODES. SUBMIT SHOP DRAWINGS AND CALCULATIONS AS SPECIFIED.
- PRIOR TO SHUT-DOWN OF ANY EXISTING FIRE PROTECTION SYSTEM, CONTRACTOR SHALL NOTIFY OWNER OR OWNER'S APPOINTED REPRESENTATIVE 24 HOURS PRIOR TO SERVICE INTERRUPTION. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING SYSTEM TO FULL OPERATION.

GENERAL NOTES:

- SIZES AND LOCATION OF EXISTING PIPINGS SHOWN WERE TAKEN FROM ENGINEERING PLANS FROM WHICH EXISTING SYSTEMS WERE INSTALLED. CONTRACTOR NEED TO FIELD VERIFY EXACT SIZES, CONDITIONS AND LOCATIONS OF INDICATED EXISTING UTILITIES.
- ALL FIXTURES, EQUIPMENT AND PLUMBING LINES SHOWN WITH (E) ARE EXISTING TO REMAIN. UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING ALL WORK UNDER THIS SECTION OF THE PROJECT IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES INCLUDING THOSE PUBLISHED BY OSHA AND EPA.
- CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW. HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS. PATCH AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING WITH OTHER TRADES.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHT. DOCUMENTS IN ADDITION TO THE MECHANICAL AND ELECTRICAL DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.

PLUMBING KEYED NOTES:

- POINT OF CONNECTION TO EXISTING UTILITY. FIELD VERIFY EXACT LOCATIONS OF EXISTING UTILITIES.
- ELECTRIC WATER HEATER WITH RECIRCULATION SYSTEM. SEE DETAIL 2/P401.
- 3/4" HOT WATER RETURN DROP TO CIRCULATING PUMP WITH TIMER SWITCH AND AQUASTAT. SEE DETAIL 2/P401.
- PROVIDE LAVATORY/SINK WITH POINT OF USE THERMOSTATIC MIXING VALVE (TMV-1).
- INSTALL NEW PLUMBING FIXTURES AND CONNECT TO EXISTING/REWORKED/ADJUSTED ROUGH-INS. PROVIDE NEW TRIMS AND ACCESSORIES (CARRIERS, FLEX CONNECTION, STOPS, P-TRAPS, WAX RING, INSULATION).
- 3/4" HW DROP FOR SERVICE TO LAVATORY/S. RUN RECIRCULATING LINE WITHIN 2 FEET OF HW ROUGH-IN FOR 2015 IECC COMPLIANCE.
- PROVIDE FLOOR DRAIN WITH TRAP GUARD SEWER GAS EMISSION PROTECTION.
- BALL VALVE ABOVE CEILING. PROVIDE ACCESS PANEL WHERE LOCATED IN AN INACCESSIBLE CEILING. PANEL SHALL BE 12"x12" PAINTED TO MATCH CEILING. PROVIDE MARKING OF VALVE LOCATION (EXISTING AND NEW) ALONG THE CEILING TILE.
- WATER HAMMER ARRESTOR. SIZE AS NOTED. PROVIDE PROPERLY SIZED WATER HAMMER ARRESTOR FOR EACH GROUP OF FIXTURES WHETHER SHOWN OR NOT ON PLANS.
- APPROXIMATE LOCATION OF EXISTING GAS METER. CONTRACTOR TO BE RESPONSIBLE FOR ALL COST/FEE'S ASSOCIATED WITH GAS SERVICE. COORDINATE WITH GAS COMPANY AND VERIFY IF EXISTING GAS SERVICE CAN HANDLE ADDED LOAD OF 575 CFH. VERIFY IF NEW/ADDITIONAL METER IS NEEDED.



DBR Project Number		189005.000		
JT	MG	JB	TL	--

**RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS**

KEY PLAN

DATE: 05/22/2018
DWG BY: DBR
CKD BY: DBR
JOB NO: 1706


REVISION:
SHEET NUMBER
P201
LEVEL 1 PLUMBING
PLAN

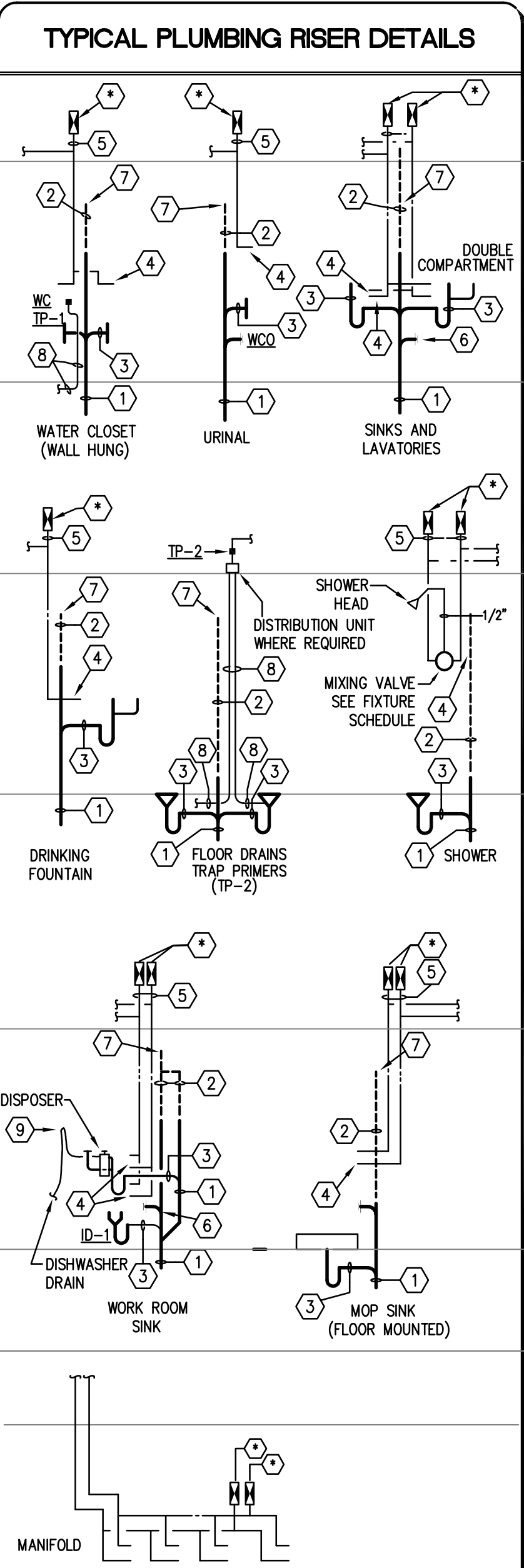
SET NO.

LWA
ARCHITECTS
American Bank Plaza
711 N. Caranish, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com

JEFFREY D. TABB
87912
05/22/2018

PLUMBING GENERAL PLAN NOTES:	
(A)	ALL PIPE PASSING THROUGH FIRE RATED WALLS OR FLOOR SLABS SHALL BE SUPPORTED AT PENETRATION AND OPENINGS SHALL BE SEALED WITH APPROVED, NON-HARDENING, FIRE STOP MATERIALS AS SPECIFIED OR REQUIRED.
(B)	CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL CONDITIONS AT THE SITE AND PROVIDE PROPER ROUGH-IN CONNECTIONS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS ARE NECESSARY, CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
(C)	THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS AND ELEVATIONS OF ALL PLUMBING TRADES WITH OTHER TRADES PRIOR TO INSTALLATION. CORRECTIONS OR RELOCATIONS DUE TO MISALIGNED PIPE SHALL BE PERFORMED IN A TIMELY MANNER AT NO ADDITIONAL COST TO OWNER.
(D)	DO NOT SCALE THE PLUMBING DRAWINGS FOR ROUGH-IN WORK. CONTRACTOR SHALL REFER TO THE DIMENSIONED ARCHITECTURAL AND STRUCTURAL DRAWINGS TO FIELD DETERMINE EXACT LOCATIONS OF PLUMBING ROUGH-IN WORK.
(E)	SANITARY DRAINAGE PIPING 2" AND SMALLER SHALL HAVE A UNIFORM MINIMUM CONTINUOUS SLOPE OF 1/4 INCH PER FOOT OF RUN. DRAINAGE PIPING OF 3" SIZE AND LARGER SHALL SLOPE MINIMUM 1/8 INCH PER FOOT OF RUN. SLOPE ALL VENT PIPING MINIMUM 6" PER 100 FEET OF RUN BACK TO DRAIN.
(F)	PROVIDE AND INSTALL CLEANOUTS AT EACH CHANGE OF DIRECTION OF THE BUILDING SANITARY DRAIN, AT MINIMUM 75' INTERVALS ALONG STRAIGHT RUNS OF MAIN DRAIN AND BRANCHES, AT EACH HORIZONTAL CHANGE OF DIRECTION IN SOIL OR WASTE PIPES GREATER THAN 45 DEGREES, AT END OF INDIVIDUAL BRANCH DRAINS LONGER THAN 5'. PROVIDE CLEANOUTS IN ACCORD WITH INTERNATIONAL PLUMBING CODE.
(G)	PROVIDE FITTINGS FOR SANITARY DRAIN WASTE AND VENT PIPING SYSTEMS IN COMPLIANCE WITH INTERNATIONAL PLUMBING CODE.
(H)	INSTALL EACH WATER HEATER AND ALL PLUMBING EQUIPMENT WITH ADEQUATE CLEARANCES FOR ACCESS BY SERVICE PERSONNEL AND WITH PROPER ORIENTATION FOR ELEMENT REMOVALS/REPLACEMENTS.
(I)	PROVIDE ISOLATION VALVES FOR ALL BRANCHES OFF DOMESTIC WATER MAINS. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACES. WHERE CEILING IS NOT ACCESSIBLE, OR SPACE IS CONFLICTING, VALVES SHALL BE INSTALLED IN PARTITIONS OR PIPE CHASES. PROVIDE APPROVED PAINTED STEEL HINGED ACCESS PANELS IN LOCATIONS PRE-APPROVED BY THE ARCHITECT. PROVIDE STAINLESS STEEL SHOWER LOCKER AND LOCKER TOILET ROOM PANELS. PROVIDE MARKINGS ON CEILING TILES ON LOCATIONS OF ISOLATION VALVES.
(J)	THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS OF ALL SANITARY VENTS UP THROUGH ROOF TO MAINTAIN MINIMUM 15' CLEARANCE TO ANY BUILDING OUTDOOR AIR INLET.

GENERAL NOTES – PLUMBING FIXTURES	
1.	MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION OF ROUGH-IN WORK.
2.	FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES PROVIDED UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS; THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
4.	CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
5.	ALL FIXTURE AND EQUIPMENT SUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LODGE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES. SURFACE RISERS SHALL BE STAINLESS STEEL FLEXIBLE CONNECTORS.
6.	ALL P-TRAPS WITHIN THE BUILDING, ABOVE GRADE AND EXPOSED TO INSPECTION SHALL BE C.P. ADJUSTABLE, CAST BRASS WITH CLEANOUT PLUG. PROVIDE CAST BRASS SLIP NUTS AND WASHERS, 17 GAGE SEAMLESS TUBULAR BRASS DRAIN TO WALL AND WALL FLANGE. PROVIDE MCGUIRE NO. 8872C, 1-1/4" P-TRAP FOR ALL LAVATORIES AND SIMILAR FIXTURES. PROVIDE MCGUIRE NO. 8912C, 1-1/2" P-TRAP FOR ALL SINKS AND SIMILAR FIXTURES.
7.	PROVIDE DEEP SEAL P-TRAP FOR ALL DRAINS OF INFREQUENT USE OR REQUIRING TRAP PRIMER.
8.	ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, WROUGHT BRASS DEEP BELL OR BOX ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE AND FLUSH TO THE WALL. STEEL ESCUTCHEON PLATES ARE NOT ACCEPTED.
9.	ALL EXPOSED BRASS SHALL BE CHROME PLATED.
10.	ALL HANDICAPPED ACCESSIBLE FIXTURES INDICATED WITH  SHALL BE PROVIDED OF APPROVED TYPES AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY AMERICANS WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ACCESSIBILITY CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED MOUNTING HEIGHTS AND SPECIFIED CLEARANCE REQUIREMENTS. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND AVAILABLE FOR INTENDED FIXTURE USE.
11.	ALL WHEELCHAIR LAVATORY AND SINK PIPING WHERE EXPOSED SHALL BE INSULATED. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO PROVIDE MINIMUM CLEARANCES.
12.	ALL SINKS FOR HANDICAPPED USE SHALL BE STAMPED WITH DRAIN OUTLET AT REAR OF BOWL.
13.	PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS FOR WATER SAVING PERFORMANCE.
14.	ORIENT ADA WATER CLOSET FLUSH VALVE WITH OPERATOR ON WIDE SIDE OF ENCLOSURE.
15.	SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
16.	FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF UNIFORMLY SLOPED FLOOR. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO INSURE FLOORS ARE SLOPED UNIFORMLY ACROSS ENTIRE TOILET ROOMS OR OVER AS WIDE AN AREA AS PRACTICAL FOR OPEN AREA FLOOR DRAINS. CONVEX FLOOR SLOPE IN THE IMMEDIATE VICINITY OF THE FLOOR DRAIN IS NOT ACCEPTABLE.



KEYED NOTES – TYPICAL RISER DIAGRAM DETAILS: (NOT ALL RISERS USED IN EVERY PROJECT.)	
1	REFER TO PLUMBING FIXTURE SCHEDULE FOR SOIL OR WASTE ROUGH-IN PIPE SIZE. MINIMUM SOIL OR WASTE DRAIN LINE SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
2	REFER TO PLUMBING FIXTURE SCHEDULE FOR SANITARY VENT ROUGH-IN PIPE SIZE. MINIMUM SANITARY VENT BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
3	REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN ROUGH-IN PIPE SIZE. MINIMUM FIXTURE DRAIN AND TRAP SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
4	REFER TO PLUMBING FIXTURE SCHEDULE FOR WATER PIPING ROUGH-IN PIPE SIZE. MINIMUM WATER SUPPLY BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
5	WATER HAMMER ARRESTOR INLET; REFER TO ARRESTOR SCHEDULE FOR SIZE. LOCATION SHOWN HERE FOR INDIVIDUAL FIXTURE WILL VARY WHERE INCLUDED AS PART OF PLUMBING CHASE BATTERY OF PIPING. REFER TO RISER DIAGRAMS FOR MANIFOLD LOCATIONS. ARRANGE ALL WATER LINES TO GRAVITY DRAIN.
6	WALL CLEANOUTS SHALL BE PROVIDED AT ALL END OF BATTERY OR END OF BRANCH LINE FIXTURES AND WHERE REQUIRED BY PLUMBING CODE OFFICIALS TO ASSURE COMPLETE ACCESS TO ALL PORTIONS OF DRAIN.
7	SANITARY VENT PIPES SHALL CONTINUE TO CEILING OR HEADER TOGETHER AT MINIMUM 42" ABOVE FINISHED FLOOR.
8	TRAP PRIMER LINE; SEE PLUMBING DETAILS SHEET.
9	AIR GAP FITTING; PROVIDE WHERE REQUIRED BY CODE.

WATER HAMMER ARRESTOR SCHEDULE		
P.D.I. SYMBOL	FIXTURE UNITS	SIZE
(A)	1-11	1/2" NPT
(B)	12-32	3/4" NPT
(C)	33-60	1" NPT
(D)	61-113	1 1/4" NPT
(E)	114-154	1 1/2" NPT
(F)	155-330	2" NPT

PIPING RISER DIAGRAMS/TYPICAL RISER DETAILS ILLUSTRATE WATER HAMMER ARRESTORS FOR FIXTURE, WATER PIPE OPENINGS. ALL ARRESTORS SHALL BE SIZED AS INDICATED ON DRAWINGS OR IN ACCORDANCE WITH THIS SCHEDULE, WHICHEVER PLACES THE MOST STRINGENT REQUIREMENT.

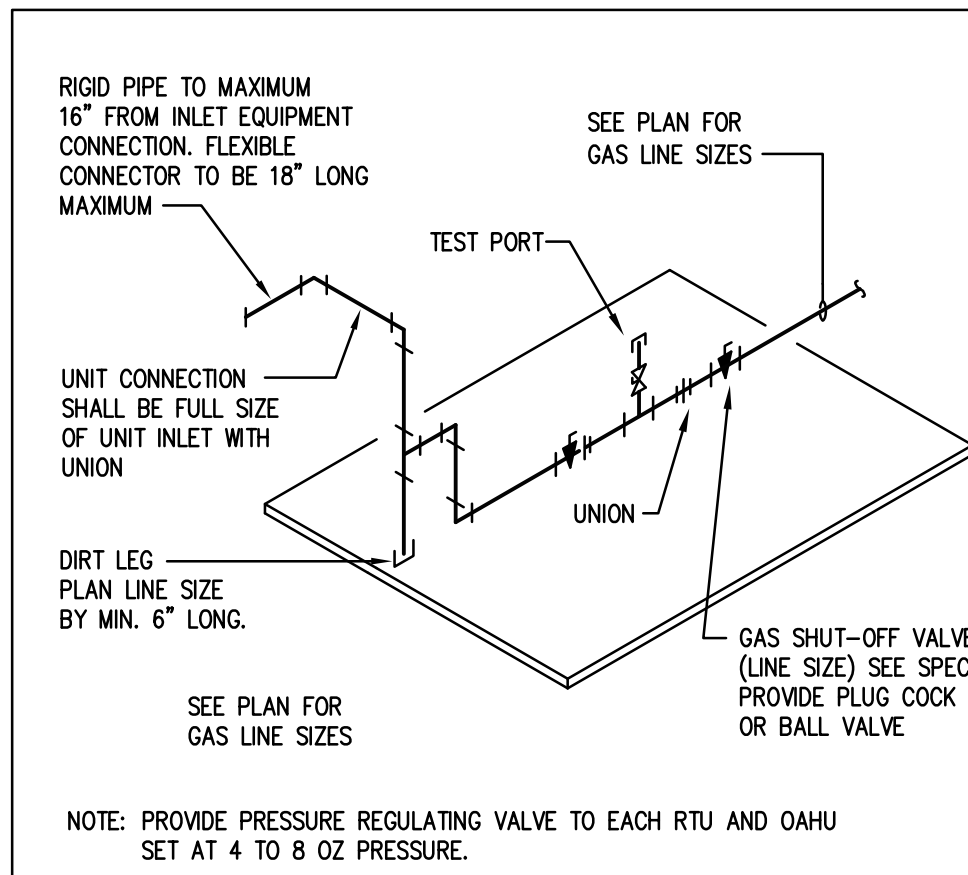
PROVIDE ARRESTORS IN ACCORDANCE WITH THE REQUIREMENTS OF PLUMBING DRAINAGE INSTITUTE (PDI) STANDARD PDI-WH-201. THE USE OF AIR CHAMBERS SHALL NOT BE ACCEPTABLE.

WATER HAMMER ARRESTORS SHALL HAVE LIFETIME WARRANTY AND SHALL BE CERTIFIED BY THE MANUFACTURER AS SUITABLE FOR INSTALLATION WITHOUT A REQUIREMENT FOR ACCESS PANELS. NONETHELESS, ACCESS PANELS SHALL BE PROVIDED IF AND AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION (LAH).

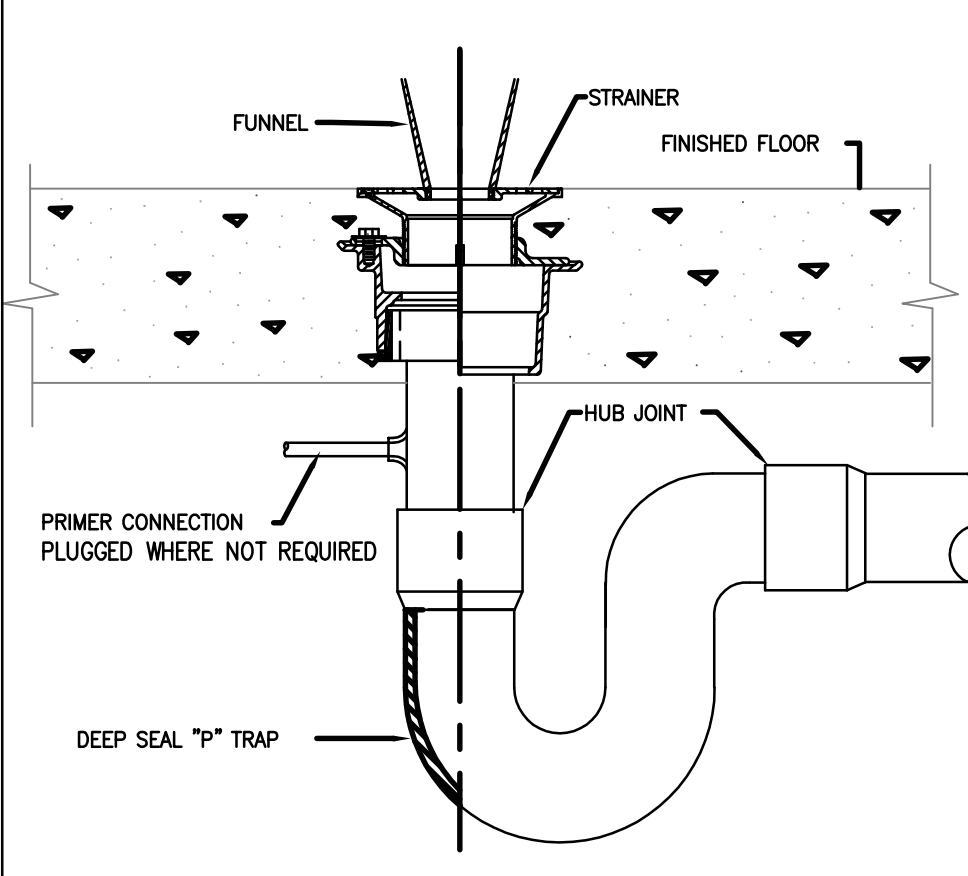
PLUMBING FIXTURE SCHEDULE						
PLAN MARK	MINIMUM ROUGH-IN SIZES				DESCRIPTION	
	WST & VENT	DRAIN	CW	HW		
WATER CLOSET WC-1	4"	2"	4"	1"	----	AMERICAN STANDARD NO. 3451, 128 "MADERA" WHITE V.C. ELONGATED SIPHON JET FLOOR MTD. (1.28 GPF) BOWL WITH TOP SPUD, BOLT CAPS, OLSONITE NO. 95-SS WHITE OPEN FRONT SEAT, LESS COVER AND SLOAN ROYAL 111-1.28" HET FLUSH VALVE.
WATER CLOSET WC-2	4"	2"	4"	1"	----	AMERICAN STANDARD NO. 3461, 128 "MADERA" WHITE V.C. ELONGATED SIPHON JET FLOOR MTD. (1.28 GPF) BOWL WITH TOP SPUD, BOLT CAPS, OLSONITE NO. 95-SS WHITE OPEN FRONT SEAT, LESS COVER AND SLOAN ROYAL 111-1.28" HET FLUSH VALVE.
URINAL U-1	2"	2"	2"	3/4"	----	AMERICAN STANDARD NO. 6590, 125 "WASHEROOK" WHITE V.C. USE 0.125 TO 1.0 GPF, WITH 3/4" TOP SPUD AND WALL HANGERS, WITH SLOAN ROYAL NO. MODEL 186-0.13 FLUSH VALVE. ZURN OR EQUAL FLOOR MOUNTED CARRIER. REFER TO ARCH'L PLANS FOR MOUNTING HEIGHTS.
LAVATORY L-1 STD L-2 ADA	2"	1-1/2"	1-1/4"	1/2"	1/2"	AMERICAN STANDARD NO. 0355, 012 WHITE V.C. LAVATORY WITH FRONT OVERFLOW AND FAUCET HOLES DRILLED ON 4" CENTERS FOR CHICAGO 802-VE2805-66SABOP, 0.5 GPM METERING FAUCET W/ PERFORATED FIXED GRID DRAIN STRAINER, P-TRAP, STOPS AND SUPPLIES. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CONCEALED ARM CARRIER, PROVIDE OFFSET TAILPIECE AND INSULATION KIT FOR ADULT ADA REQUIREMENTS. WITH TMV-1, REFER TO ARCH'L PLANS FOR MOUNTING HEIGHTS.
LAVATORY-COUNTER TOP L-3	2"	1-1/2"	1-1/4"	1/2"	1/2"	AMERICAN STANDARD NO. 0476, 028 WHITE VC 20 X 17 OVAL SELF PRIMING FIXTURE WITH FRONT OVERFLOW AND FAUCET HOLES DRILLED ON 4" CENTERS FOR CHICAGO 802-VE2805-66SABOP METERING FAUCET & FIXED GRID DRAIN, CHROME PLATED BRASS P-TRAP, STOPS AND SUPPLIES. PROVIDE TMV WHERE INDICATED. WITH TMV-1.
SINK SK-1 STAFF	2"	1-1/2"	1-1/2"	1/2"	1/2"	ELKAY NO. LRAD-2219-60 "LUSTERTONE" THREE HOLE PLUNCH STAINLESS STEEL SINK. PROVIDE AMERICAN STANDARD NO. 6275, 002, 3/4" VC GOOSENECK FAUCET WITH BRASS LEVER HANDLES, AND SWING SPUD. ELKAY NO. LX-18 GRID DRAIN STRAINER, TAILPIECE, CAST BRASS P-TRAP WITH CO, STOPS AND SUPPLIES. PROVIDE OFFSET TAILPIECE AND INSULATION KIT WHERE FIXTURE TRIM IS EXPOSED. WITH REAR CENTER DRAIN.
ELECTRIC DRINKING FOUNTAIN ED-1 ADULT A W/BOTTLE FILLER	2"	2"	1-1/2"	1/2"	----	ELKAY LMABTLBWSSK BARRIER-FREE, LEAD FREE WALL MOUNTED 81-LEVEL DUAL WATER COOLER, 8.0 GPM CAPACITY COOLED TO 50° F WITH 80° F AMBIENT TEMP. 1/5 HP, 4.0 FL. AMPS WIRED FOR 120V/60/1 POWER. PROVIDE ZURN OR EQUAL FLOOR MOUNTED PLATE TYPE CARRIER. PROVIDE APRON FOR SIDE ACCESS CLEARANCE AND TRAP AND SUPPLY AS NOTED BELOW. PROVIDE WITH ALL STAINLESS STEEL CABINET.
MOP SINK MS-1	3"	2"	3"	3/4"	3/4"	FIAT TSB 100 24 X 24 X 12 WITH STAINLESS STEEL CAP AND CAULK OUTLET DRAIN WITH N.B. STRAINER. PROVIDE CHICAGO NO. 897-ROF WALL MOUNT FAUCET WITH INTEGRAL, STOPS, WALL BRACE AND VACUUM BREAKER. PROVIDE 1/2" HOSE AND WALL BRACKET AND 1-40 STAINLESS STEEL MOP HANGER.
HOSE BIBB HB-1 (TOILET ROOM FITTING)	----	----	----	3/4"	----	ZURN NO. 1330 RECESSED STAINLESS STEEL WALL BOX WITH COLD WATER WHEEL HANDLE WALL, INTEGRAL STOP, VB AND HINGED LOCKING COVER STAMPED "WATER", INSTALL FLUSH AND RIGID TO FINISHED WALL AND SEAL WATERTIGHT.
ICE MAKER WALL BOX WB-1	----	----	----	1/2"	----	GUY GRAY NO. B1M-875 WITH 1/2 X 1/4 O.D. TUBE, CHROME PLATED FIXTURE SUPPLY STOP. INSTALL BOX 54" APT. BEHIND FREE STANDING REFRIGERATOR WITH ICE MAKER AND 18" APT. FOR UNDER COUNTER REFRIGERATOR OR ICE MAKER LEAVE 48" COIL OF 1/4" O.D. TYPE "K" SOFT COPPER FOR EQUIP. CONNECTION AND PROVIDE GUNG ICEASSURE1 FILTER BRACKETED TO WALL.
FLOOR DRAIN FD-1	3"	2"	----	----	----	ZURN NO. ZH-415 CAST IRON DRAIN WITH 6" DIAMETER TYPE "B" STRAINER WITH VANDAL PROOF SCREWS. SET STRAINER FLUSH WITH FINISH FLOOR. PROVIDE TRAP GUARD DEVICE.
FLOOR DRAIN FD-2	3"	2"	----	----	----	ZURN NO. ZH-415 CAST IRON DRAIN WITH 7" DIA. TYPE "E" STRAINER, TRAP PRIMER CONNECTION AND 4" DIA. FUNNEL GRATE.
ELECTRIC WATER HEATER EWH-1	----	----	----	----	SEE PLAN	RHEEM EESP15, 15 GALLON STORAGE WITH 2 KW ELEMENTS WIRED FOR 208 V, 1 PH. POWER. VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT. UNIT SHALL HAVE CAPACITY OF 14 GPM RECOVERY AT 60°F. TEMPERATURE RISE PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE AND THERMOMETER IN HW OUTLET PIPING. W/ET AMTROL ST-5-C.
CIRCULATING PUMP CP-1	----	----	----	3/4"	----	GRUNDFOS MODEL UP15-1B87 ALL BRONZE, FLANGED PUMP, 1/25 HP WIRED FOR 120V/60/1 POWER AND FITTED WITH REMOTE HEAT SENSING AQUASTAT CONTROLLER AND SHUT-OFF TIMER TS-1.
TIME SWITCH TS-1	----	----	----	----	----	TORK ELECTROMECHANICAL 24 HOUR TIME SWITCH POWERED BY A SELF-STARTING SYNCHRONOUS MOTOR. INSTALL ON WALL ADJACENT TO CIRCULATING PUMPS. COORDINATE WITH ELECTRICAL AND PROVIDE FOR 120/1/60 POWER REQUIREMENT.
THERMOSTATIC MIXING VALVE TMV-1	----	----	1/2"	1/2"	1/2"	POWERS NO. LF480 ADJUSTABLE POINT-OF-USE THERMOSTATIC MIXING VALVE, ASSE 1072 WITH INLET CHECK STOPS TO LIMIT HOT WATER TEMPERATURE TO MAXIMUM 105° F AT FAUCET OUTLET. SUPPLY TO MIXING VALVE FROM CW RISER TO FAUCET. INSTALL BELOW FIXTURE AND HIGH AS POSSIBLE TO PROVIDE NEAT AND CLEAN APPEARANCE.

PLUMBING PIPE MATERIALS SCHEDULE	
PIPING SYSTEM	PIPING MATERIAL
SANITARY DRAINS AND VENTS INSIDE BUILDING AND BELOW GROUND	SCHEDULE 40 PVC PIPE
SANITARY DRAINS AND VENTS INSIDE BUILDING AND ABOVE GROUND	CAST IRON (SERVICE WEIGHT), NO-HUB DWV
SANITARY DRAINS AND VENTS INSIDE BUILDING AT PLENUM CEILING	CAST IRON (SERVICE WEIGHT), NO-HUB DWV
DOMESTIC HOT & COLD WATER INSIDE BUILDING AND ABOVE GROUND	COPPER, TYPE "L" HARD DRAWN
NATURAL GAS	BLACK STEEL SCHEDULE 40
FIRE SPRINKLER ABOVE GROUND – 2" AND SMALLER	BLACK STEEL SCHEDULE 40
FIRE SPRINKLER ABOVE GROUND – 2-1/2" AND LARGER	BLACK STEEL SCHEDULE 10

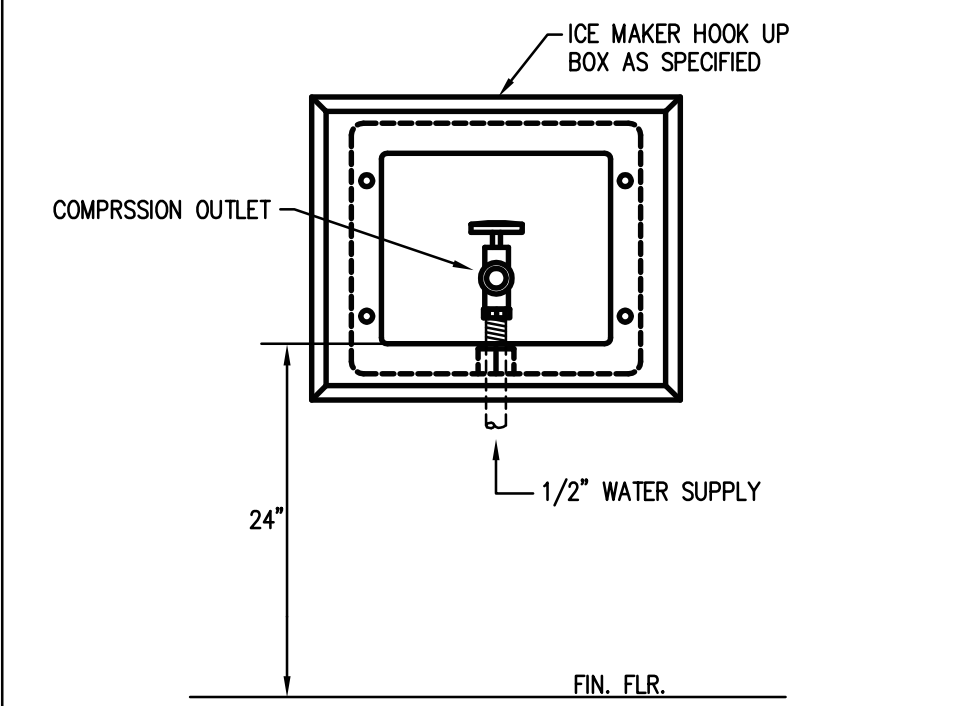
NOTE: REFER TO SPECIFICATIONS FOR COMPLETE PIPING MATERIAL REQUIREMENTS FOR ASSOCIATED PIPING SYSTEMS.



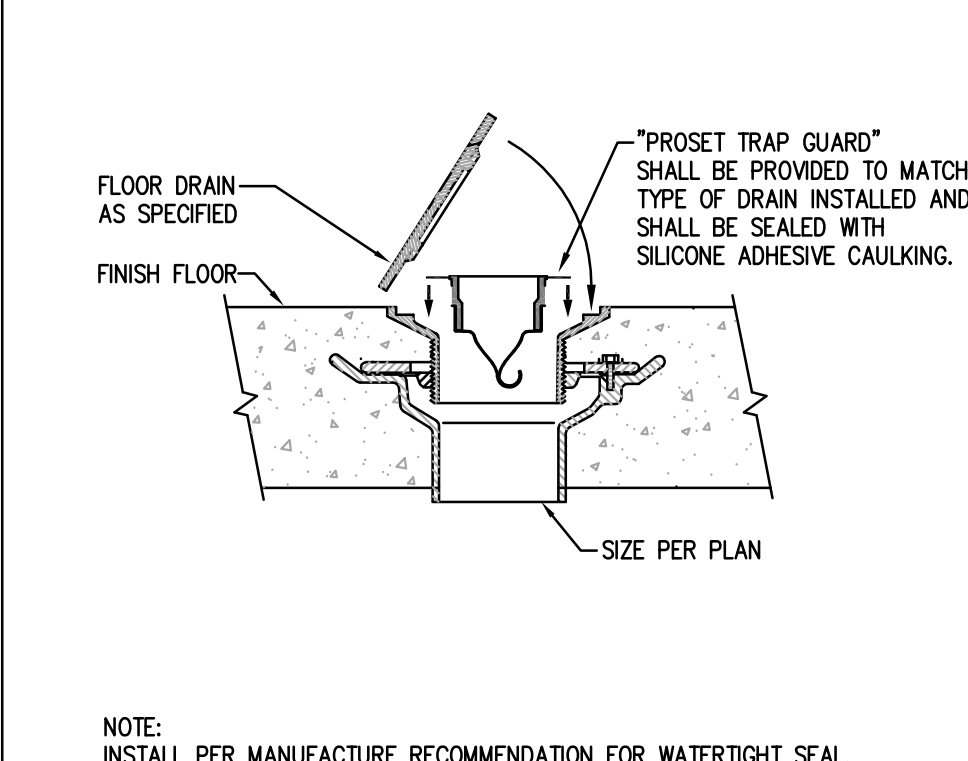
9 GAS EQUIPMENT CONNECTION DETAIL
NOT TO SCALE



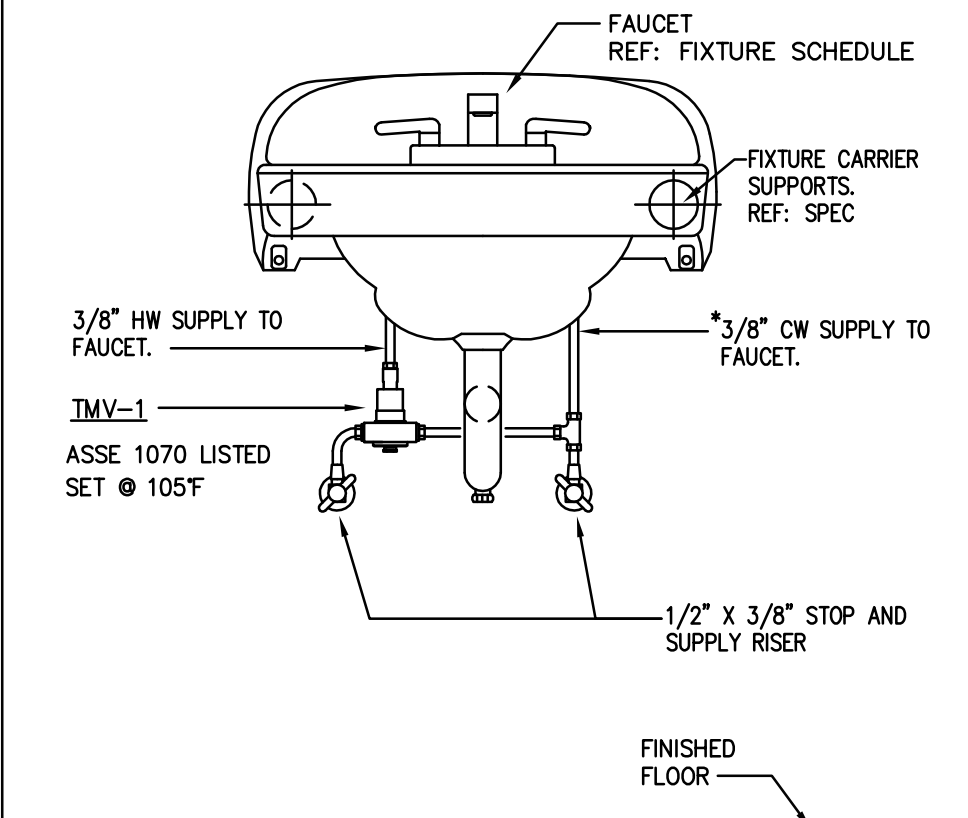
1 FLOOR DRAIN DETAIL (FD-2)
NOT TO SCALE



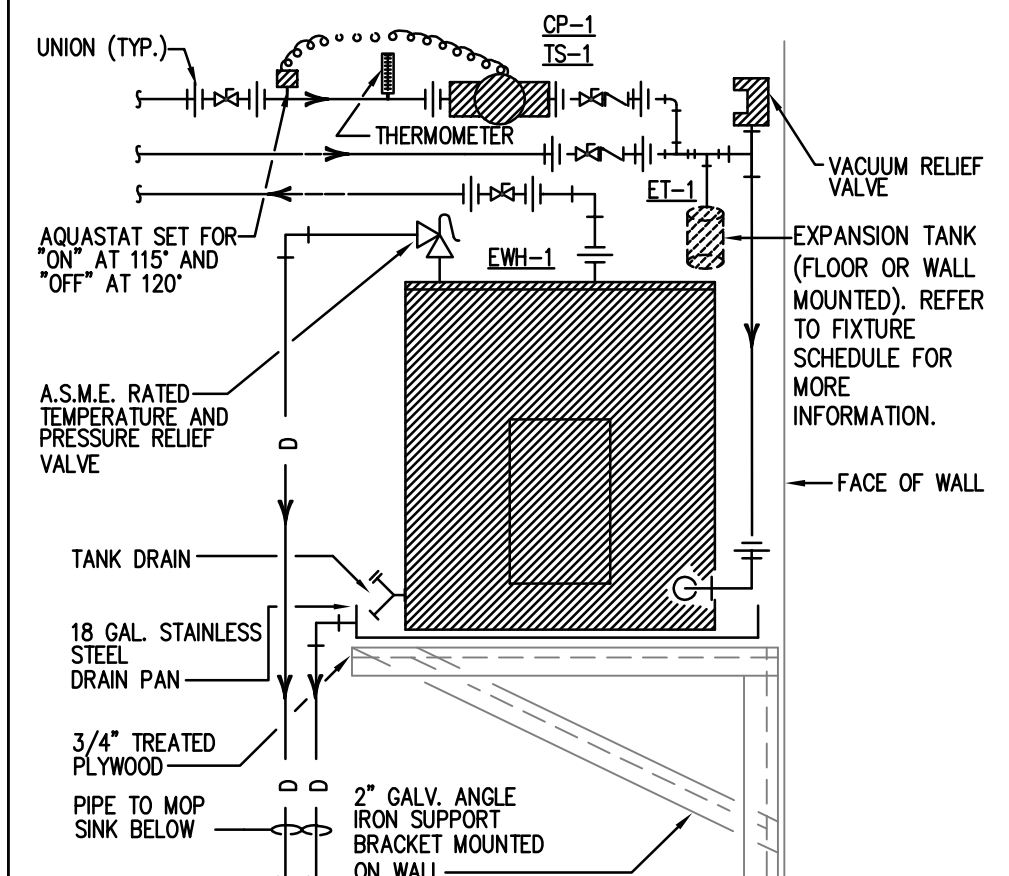
3 ICE MAKER SUPPLY BOX DETAIL (WB-1)
NOT TO SCALE



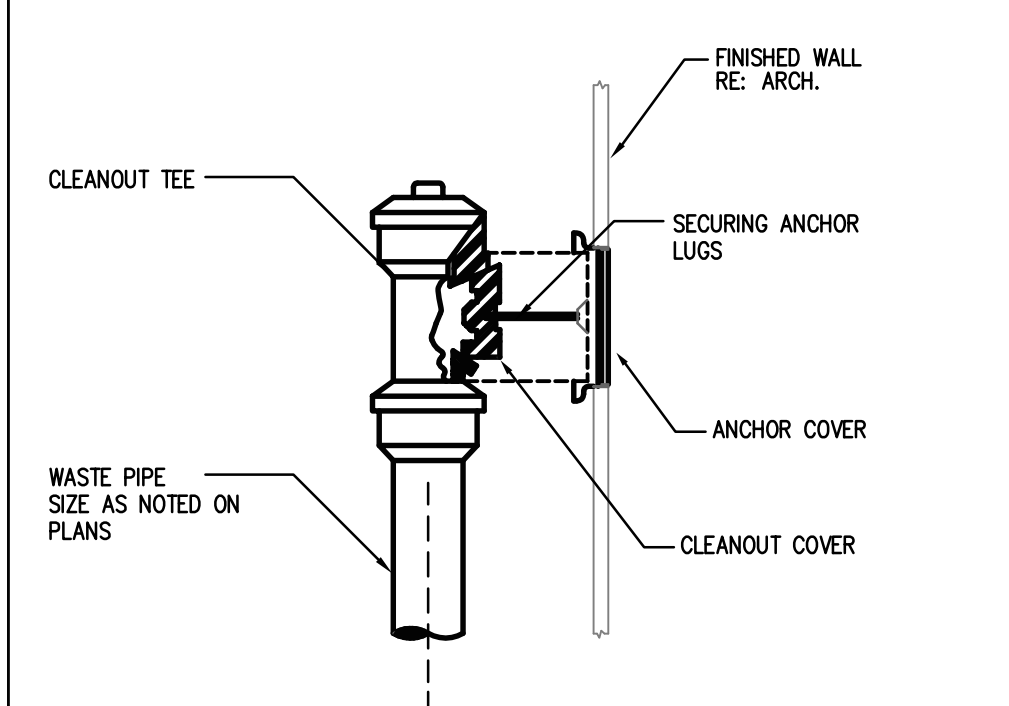
5 TRAPGUARD DETAIL
NOT TO SCALE



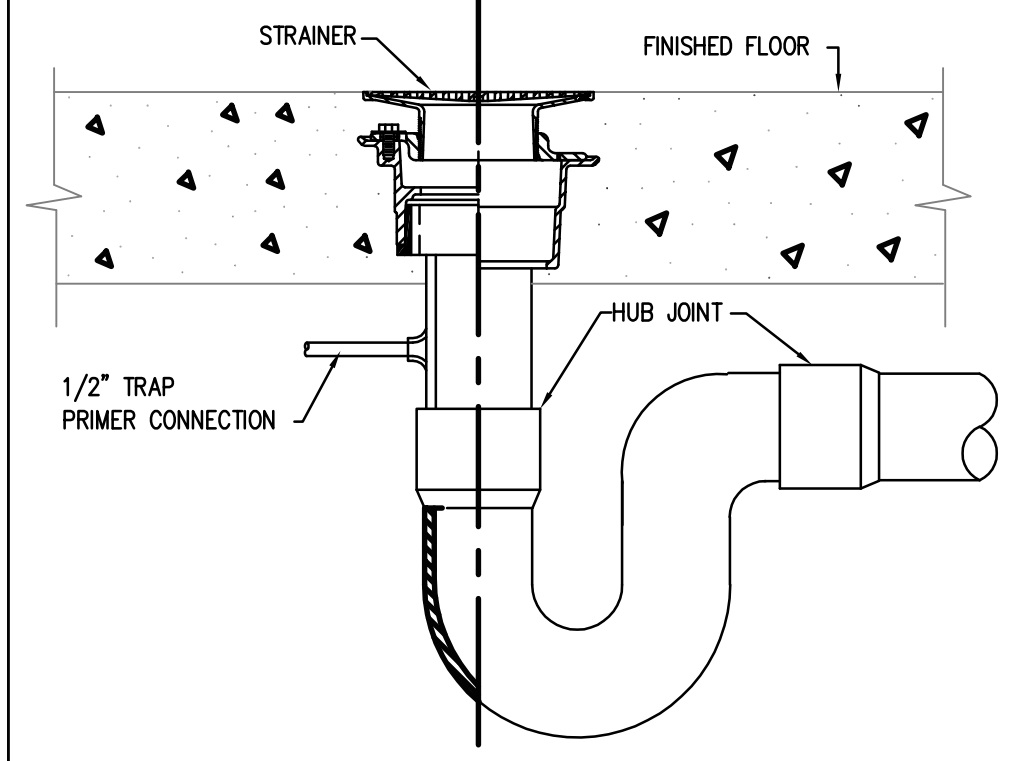
7 TMV INSTALLATION DETAIL
NOT TO SCALE



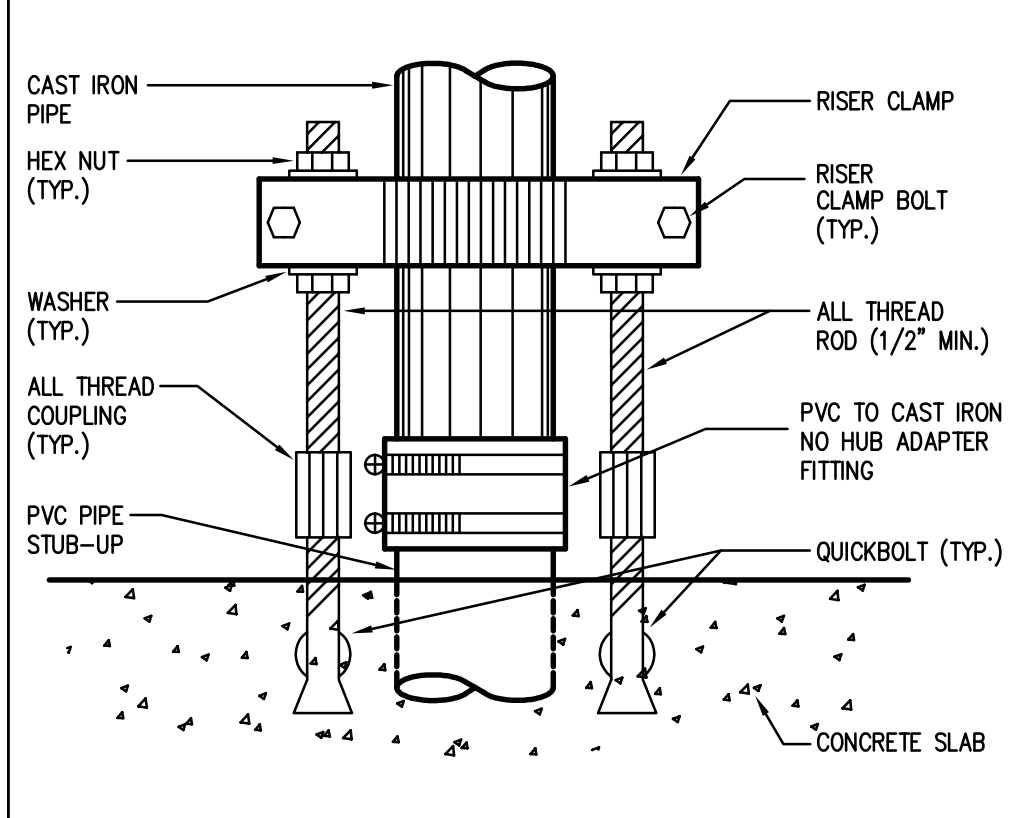
2 WATER HEATER DETAIL (EWH-1)
NOT TO SCALE



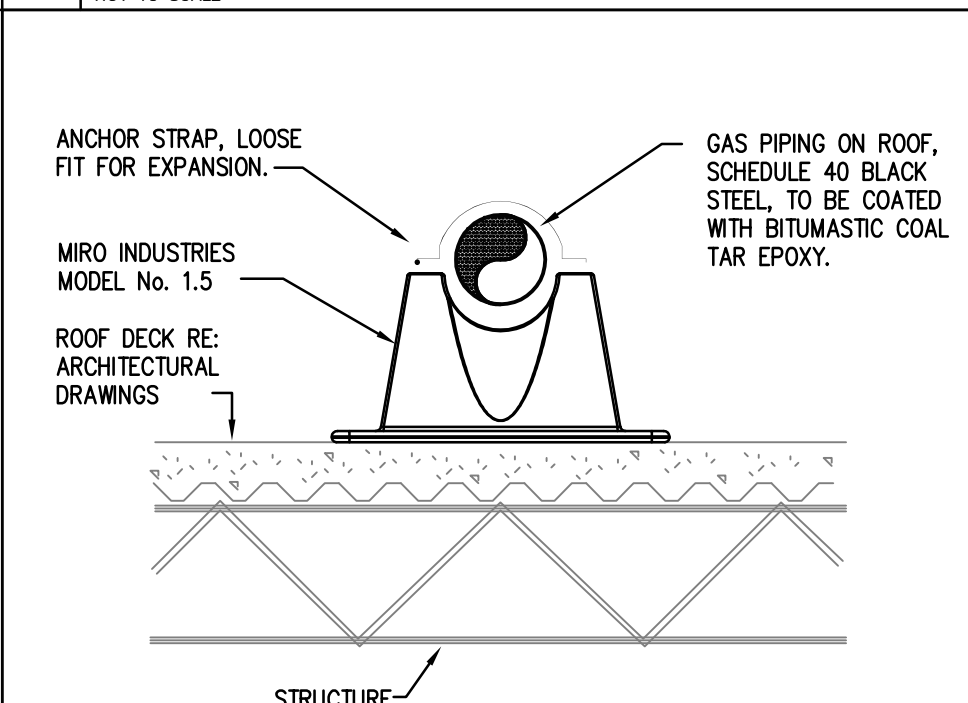
4 WALL CLEAN-OUT DETAIL (WCO)
NOT TO SCALE



6 FLOOR DRAIN DETAIL (FD-1)
NOT TO SCALE



8 PVC TO CAST IRON SUPPORT
NOT TO SCALE



10 GAS PIPING ON ROOF DETAIL
NOT TO SCALE



DBR Project Number		189005.000		
JT	MG	JB	TL	--

LWA

ARCHITECTS

American Bank Plaza

7111 N. Caranishua, Suite 404

Corpus Christi, Texas 78401

Phone: 361.884.7442

Fax: 361.883.1612

www.lwarchitects.com

STATE OF TEXAS

JEFFREY D. TABB

87912

PLUMBING

05/22/2018

RENOVATIONS AT ADMINISTRATION BUILDING

SANTA ROSA INDEPENDENT SCHOOL DISTRICT

SANTA ROSA, TEXAS

DATE: 05/22/2018

DWG BY: DBR

CKD BY: DBR

JOB NO: 1706

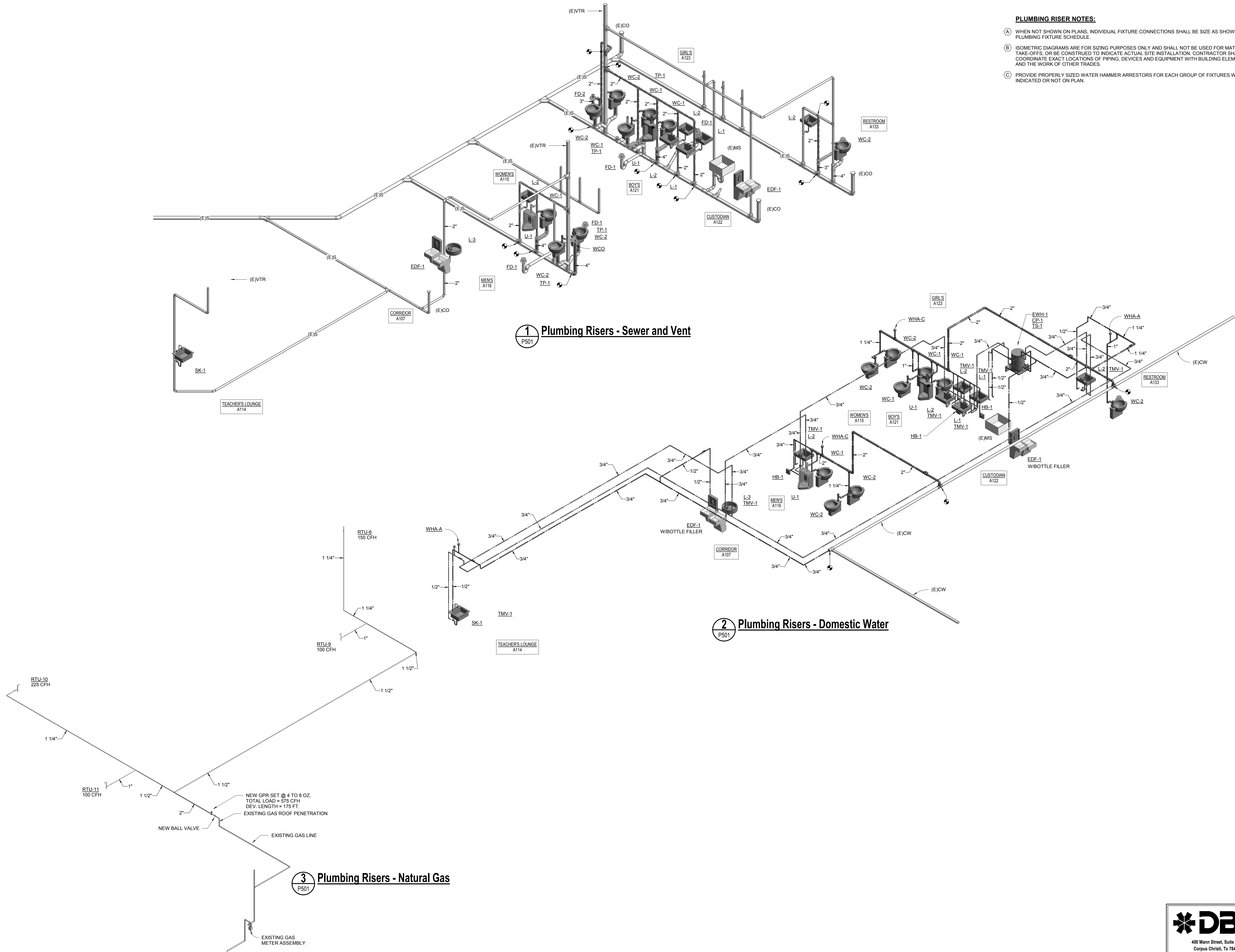
REVISION:

SHEET NUMBER

P401

PLUMBING SCHEDULES AND DETAILS

SET NO.

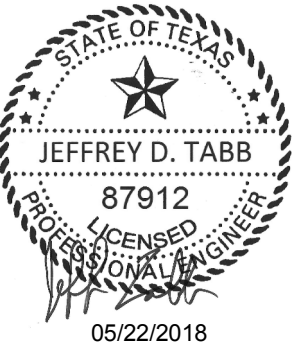


PLUMBING RISER NOTES:

- (A) WHEN NOT SHOWN ON PLANS, INDIVIDUAL FIXTURE CONNECTIONS SHALL BE SIZE AS SHOWN ON PLUMBING FIXTURE SCHEDULE.
- (B) ISOMETRIC DIAGRAMS ARE FOR SIZING PURPOSES ONLY AND SHALL NOT BE USED FOR MATERIAL TAKE-OFFS, OR BE CONSTRUED TO INDICATE ACTUAL SITE INSTALLATION. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.
- (C) PROVIDE PROPERLY SIZED WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES WHETHER INDICATED OR NOT ON PLAN.



American Bank Plaza
711 N. Carancahua, Suite 404
Corpus Christi, Texas 78401
Phone: 361.884.7442
Fax: 361.883.1612
www.lwarchitects.com



RENOVATIONS AT ADMINISTRATION BUILDING
SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA, TEXAS

KEYPLAN

DATE: 05/22/2018
DWG BY: DBR
CKD BY: DBR
JOB NO: 1706

REVISION:
SHEET NUMBER
P501
PLUMBING RISERS



DBR Project Number 189005 000				
JT	MG	JB	TL	--

SET NO.