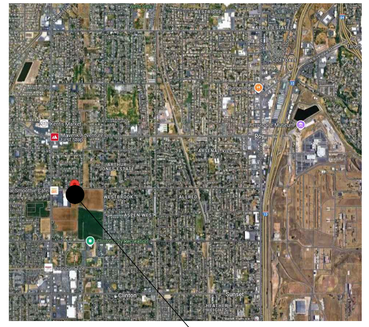
Syracuse Lake View YSA Stake Suite
Syracuse UT Lake View YSA Stake

Consultant	Consultant Name	Address		Contact	Phone	E-mail
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CIVIL ENGINEER:	**Excel Engineering, Inc.**	12 West 100 North #201	American Fork, Utah 84003	**David Peterson**	(801) 756-4504	*david@excelcivil.com*
LANDSCAPE ARCHITECT:	**In Site Design Group**	17 North 470 West	American Fork, Utah 84003	**Darren Wilson**	(801) 756-5043	*darren@isdgllc.com*
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MECHANICAL ENGINEER:	**Van Boerum & Frank Associates**	181 East 5600 South	Murray, Utah 84107	**John Alexander**	(801) 530-3148	*jalexander@vbfa.com*
ELECTRICAL ENGINEER:	**Envision Engineering**	240 East Morris Avenue, Suite 200	**Salt Lake City, Utah 84115**	**Scott Kingery**	(801) 534-1130	*skingery@envisioneng.com*
SOUND CONSULTANT:	**Envision Engineering**	240 East Morris Avenue, Suite 200	Salt Lake City, Utah 84115	**Steve Poulson**	(801) 534-1130	*spoulsen@envisioneng.com*

Vicinity Map



CODE INFORMATION

2021 IBC / 2021 IFC / 2020 NEC / 2021 IPC / 2021 IMC / 2021 IECC / 2021 IFGC / ICC ANSI A117.1-2017

Code Item	IBC Reference Code Requirement	Actual Building Design
Occupancy Classification	Chapter 3	Assembly Group A-3
Construction Type	602.5	Type V-B; One-Hour Rated
Fire Sprinklers		No
Allowable Building Height	Table 504.3 Assembly Group A-3: 60 feet	27'-10"
Allowable Stories Above Grade	Table 504.4 Assembly Group A-3: 2	1
Allowable Area	Table 506.2 Assembly Group A-3: 24,000 sf	Existing: 16,558 sf Addition: 2,605 sf Total: 19,163 sf
Total Occupant Load	Table 1004.1.2	See Occupancy Floor Plan
Common Path of Travel	Table 1006.2.1 Assembly Group A-3: 75 feet	See Occupancy Floor Plan
Maximum Travel Distance	Table 1017.2 Assembly Group A-3: 250 feet	See Occupancy Floor Plan
Egress Information	1005.3.1 Stairways: 0.3" per Occupant 1005.3.2 Others: 0.2" per Occupant 36" door = 32" clear = 160 people at 0.20" per person	

PLUMBING FIXTURE COUNT - TABLE 2902.1

Total Occupants — Assembly Group A-3: 1,338

Water Closets		Required	Provided
Assembly Group A-3:	Male: 1 per 150	669/150 = 4.46	7
	Female: 1 per 75	669/75 = 8.92	9

Lavatories		Required	Provided
Assembly Group A-3:	1 per 200	1,338/200 = 6.69	10

Service Sink		Required	Provided
Assembly Group A-3:	1	1	1

Drinking Fountains		Required	Provided
Assembly Group A-3:	1 per 1000	1,338/1000 = 1.38	4

PARKING INFORMATION

Requirement	Required	Provided
1.5 Stalls per 3.5 seats	292 seats / 3.5 = 83.42 * 1.5 = 125 stalls	232 stalls

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General
- G001 Cover Sheet
- G101 Code Information, Symbols, Exiting and Occupancy Plan

Site Development
- C201 Grading and Drainage Plan
- C202 Utility Plan
- C203 Detail Sheet
- C204 Erosion Control Plan
- C205 BMP Details
- C301 Electrical Site Demolition Plan
- C302 Electrical Site Plan
- C401 Demolition Site Plan
- C411 Architectural Site Plan
- C511 Site Details

Landscaping
- LS100 Demolition Plan
- LS201 Planting Plan
- LS401 Landscape Details

Architectural
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- A101 Demolition Floor Plan and New Floor Plan
- A102 Dimension Floor Plan and Wall Types Floor Plan
- A103 Demolition Equipment Platform Plan and New Equipment Platform Plan
- A111 Wall Types
- A121 Demolition Roof Plan and New Roof Plan
- A122 Roofing Details
- A151 Demolition Ceiling Plan and New Ceiling Plan
- A152 Ceiling Details
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- A202 Demolition Exterior Elevations and New Exterior Elevations
- A301 Building Sections
- A311 Exterior Sections
- A312 Exterior Sections
- A401 Interior Elevations and Details
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- A502 Miscellaneous Details
- A503 Font Details
- A601 Finish Schedule
- A602 Door Schedule and Window Schedule
- F101 Furnishings Plan and Room Signage Location Plan
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- S201 Rafters Detail
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- S605 Schedules

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- P501 Plumbing Details
- P601 Plumbing Fixture Schedule, Piping Schematics and Details

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- ME101 Automatic Temperature Controls
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Electrical
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- ED101 Electrical Demolition Plan
- ED102 Electrical Demolition Plan
- EL101 Lighting Plan
- EL102 Equipment Platform Lighting Plan
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Sound
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- TA501 AV Systems Details
- TA502 AV Systems Details
- TA601 AV Systems Schedules
- TA602 Audio Diagram
- TA603 Video and Control Diagrams
- TT601 Data Systems Details and Diagrams
- TT602 Telecom Notes and Diagrams

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions			
Mark	Date	Description	

Project Number
25-12

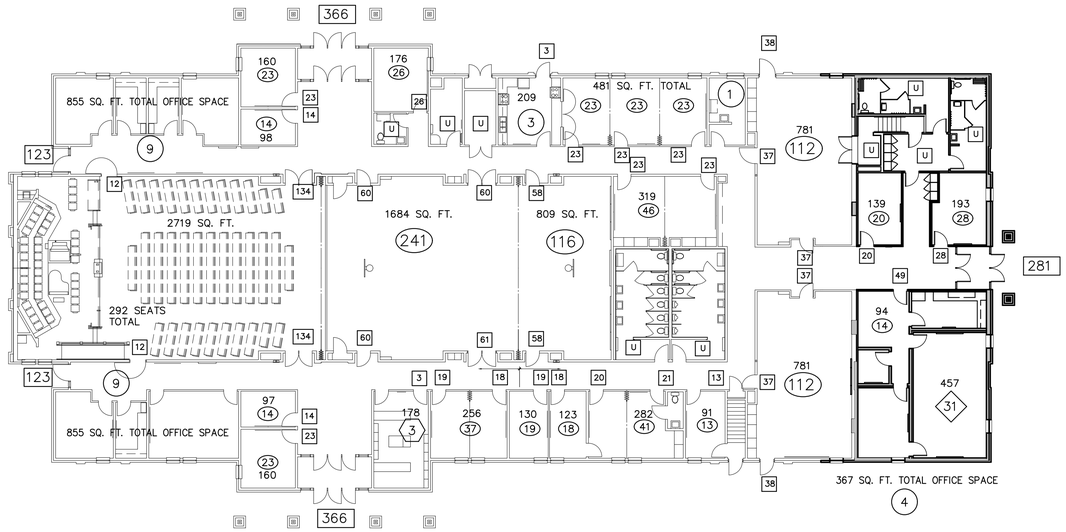
Plan Series
Stake Suite Addition

Property Number
548-6467-24020101

Date
May 5, 2025

Sheet Title
COVER SHEET

Sheet
G001



A OCCUPANCY PLAN

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

NORTH

TOTAL OCCUPANT LOAD FOR ALL OCCUPANCIES= 1,338

EXITING PLAN COMPLIES WITH IBC

LEGEND

SYMBOL	DESCRIPTION
152	ROOM SQUARE FOOTAGES:
208 / 54	OCCUPANT LOAD SERVED BY EXIT
U	NOT COUNTED IN TOTAL OCCUPANT LOAD
72	ROOM OCCUPANT LOAD AT 7 SQ. FT. PER PERSON
20	ROOM OCCUPANT LOAD AT 15 SQ. FT. PER PERSON
20	ROOM OCCUPANT LOAD AT 20 SQ. FT. PER PERSON
2	ROOM OCCUPANT LOAD AT 100 SQ. FT. PER PERSON

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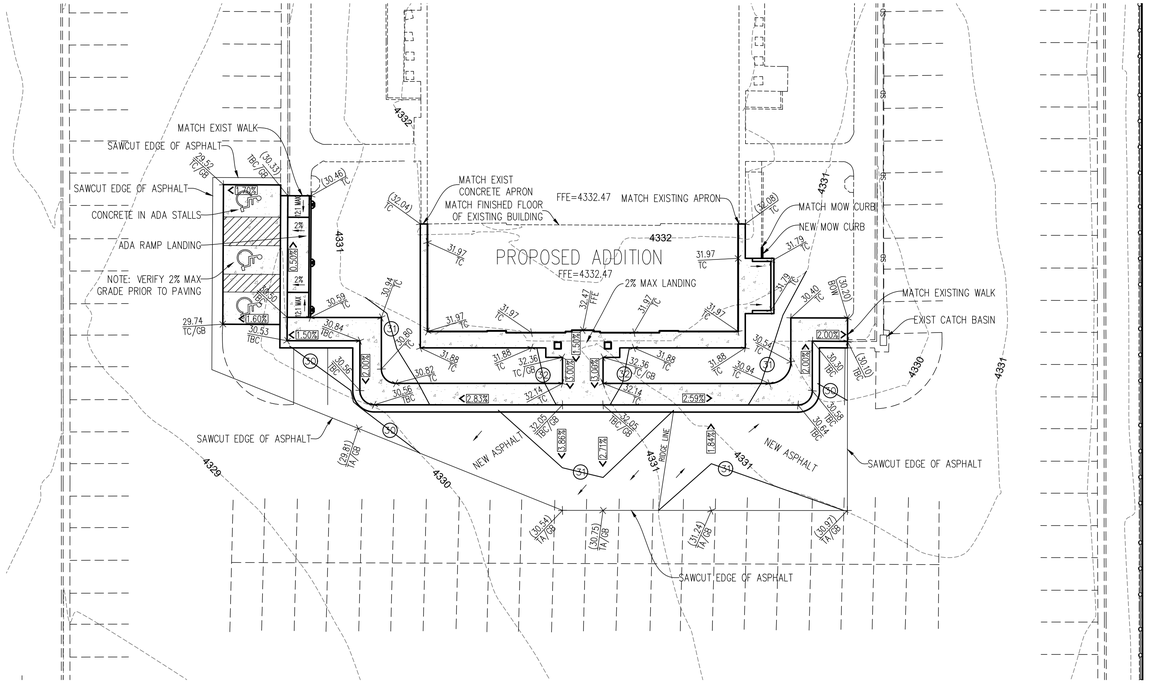
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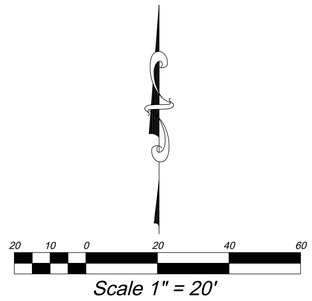
Property Number
548-6467-24020101

Date
May 5, 2025

Sheet Title
CODE INFORMATION, SYMBOLS, EXITING AND OCCUPANCY PLAN

Sheet
G101





PARKING LOT PAVEMENT DESIGN:

3" ASPHALT OVER
8" AGGREGATE BASE COURSE OVER
PROPERLY PREPARED & STABILIZED NATURAL SUBGRADE
SOILS AND/OR STRUCTURAL SITE GRADING FILL EXTENDING TO
SUITABLE NATURAL SUBGRADE SOILS

ADA STALL CONCRETE PAVEMENT

5" PORTLAND CEMENT CONCRETE (NON-REINFORCED)
4" AGGREGATE BASE OVER
PROPERLY PREPARED & STABILIZED NATURAL SUBGRADE
SOILS AND/OR STRUCTURAL SITE GRADING FILL EXTENDING TO
SUITABLE NATURAL SUBGRADE SOILS

NOTES TO CONTRACTOR

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CURB & GUTTER, STORM DRAIN, & SEWER ELEVATIONS OR INVERTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER WHEN ELEVATIONS OR INVERTS DO NOT MATCH PLANS.
2. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE AND ALL UNDERGROUND UTILITIES, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.

GRADING LEGEND

FFE	FINISHED FLOOR ELEV.	FG	FINISHED GRADE
BOW	BACK OF WALK	TW	TOP OF WALL
GB	GRADE BREAK	BW	BOTTOM OF WALL
TC	TOP OF CONCRETE	IE	INVERT ELEVATION
TBC	TOP BACK OF CURB	0.00%	DIRECTION OF DRAINAGE
TA	TOP OF ASPHALT	(00.00)	EXISTING ELEVATION
RIM	RIM ELEVATION	00.00 TBC	PROPOSED ELEVATION
FL	FLOWLINE	4808	EXISTING CONTOUR
EG	EXIST GROUND		PROPOSED CONTOUR
LIP	LIP OF CURB		

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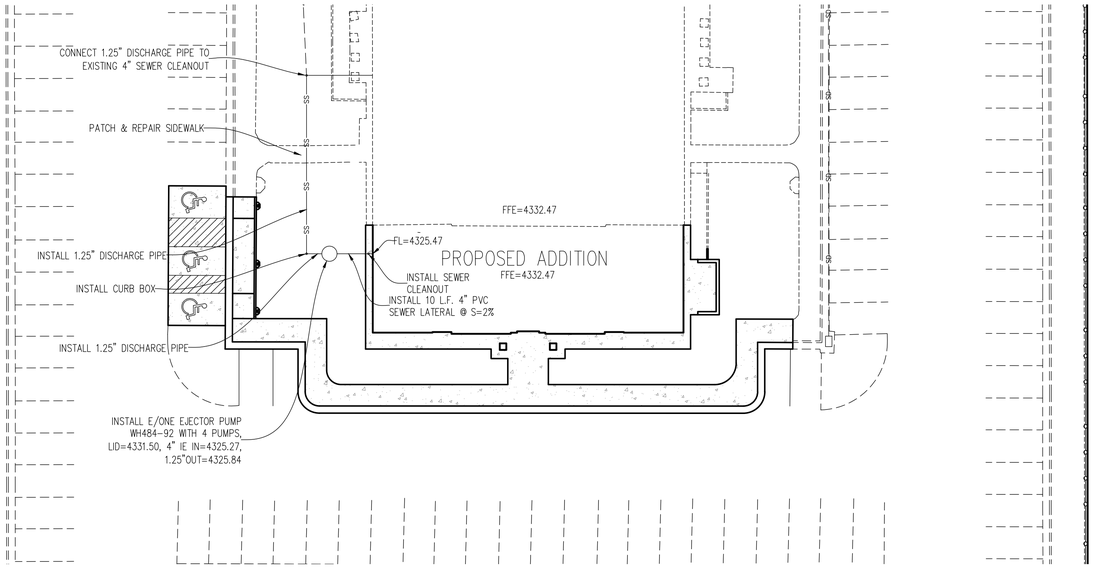
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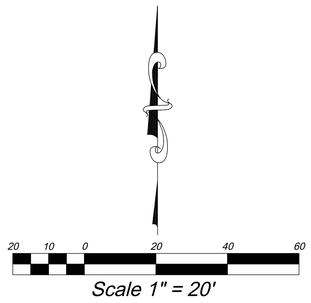
Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
GRADING & DRAINAGE PLAN

Sheet
C201





E/ONE EJECTOR PUMP NOTE

INSTALL E/ONE EJECTOR PUMP STATION INCLUDING ALARM PANEL, DISCHARGE PIPING, CURB STOP AND SADDLE CONNECTION PER E/ONE STANDARDS AND SPECIFICATIONS. SEE DETAILS ON SHEET C205 AND CONTACT MANUFACTURER FOR ADDITIONAL SPECIFICATIONS, AS NEEDED.

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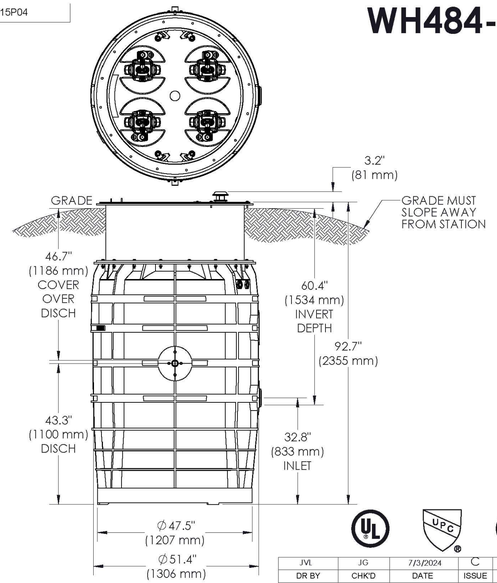
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
UTILITY PLAN

Sheet
C202

NA0215P04

WH484-92



JVL	JG	7/3/2024	C	1:22
DR BY	CHK'D	DATE	ISSUE	SCALE

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

DISCHARGE: 1-1/4" NPT, SS (X2)

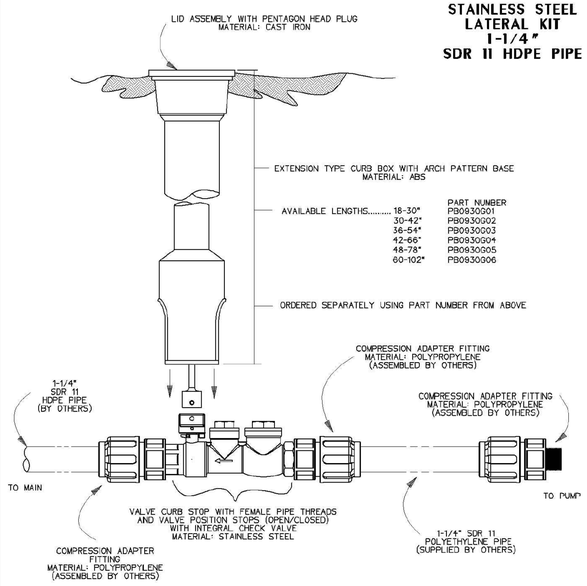
INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

SEWER SYSTEMS

MODEL WH484-92

NA0215P04

STAINLESS STEEL LATERAL KIT 1-1/4" SDR 11 HDPE PIPE



KIT PARTS ARE NOT ASSEMBLED

NOTES:

1. SS CURB STOP/CHECK VALVE AND FITTINGS ARE PROVIDED SEPARATELY, TO BE ASSEMBLED BY OTHERS
2. TO ASSEMBLE, APPLY A DOUBLE LAYER OF TEFLON TAPE, AND A LAYER OF PIPE DOPE (SUPPLIED BY OTHERS) TO THE THREADS ON THE PLASTIC FITTINGS AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS
   *FOR SS FITTING INTO SS THREAD, USE PIPE DOPE OR TEFLON TAPE, NOT BOTH
3. ASSEMBLY IS TO BE PRESSURE TESTED (BY OTHERS)
4. ASSEMBLY IS TO BE USED WITH SDR11 HDPE PIPE
5. TO ORDER SS LATERAL KIT, USE PART NUMBER NC0193G01
6. CURB BOX IS TO BE ORDERED SEPARATELY, SEE ABOVE

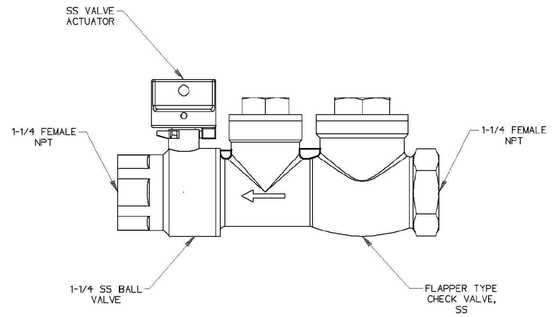
SGS	DN	11/02/11	B	3/16
DR BY	CHK'D	DATE	ISSUE	SCALE

SEWER SYSTEMS

STAINLESS STEEL LATERAL KIT
1-1/4" SDR 11 HDPE PIPE

NA0330P02

STAINLESS STEEL LATERAL ASSEMBLY NO FITTINGS



PART IS A BALL VALVE CURB STOP WITH FEMALE PIPE THREADS, VALVE POSITION STOPS (OPEN/CLOSED), AND INTEGRAL CHECK VALVE
MATERIAL: STAINLESS STEEL

PRESSURE RATING: 235 PSI

TO ORDER SS LATERAL, NO FITTINGS USE PART NUMBER NB0184P01

NOTES:

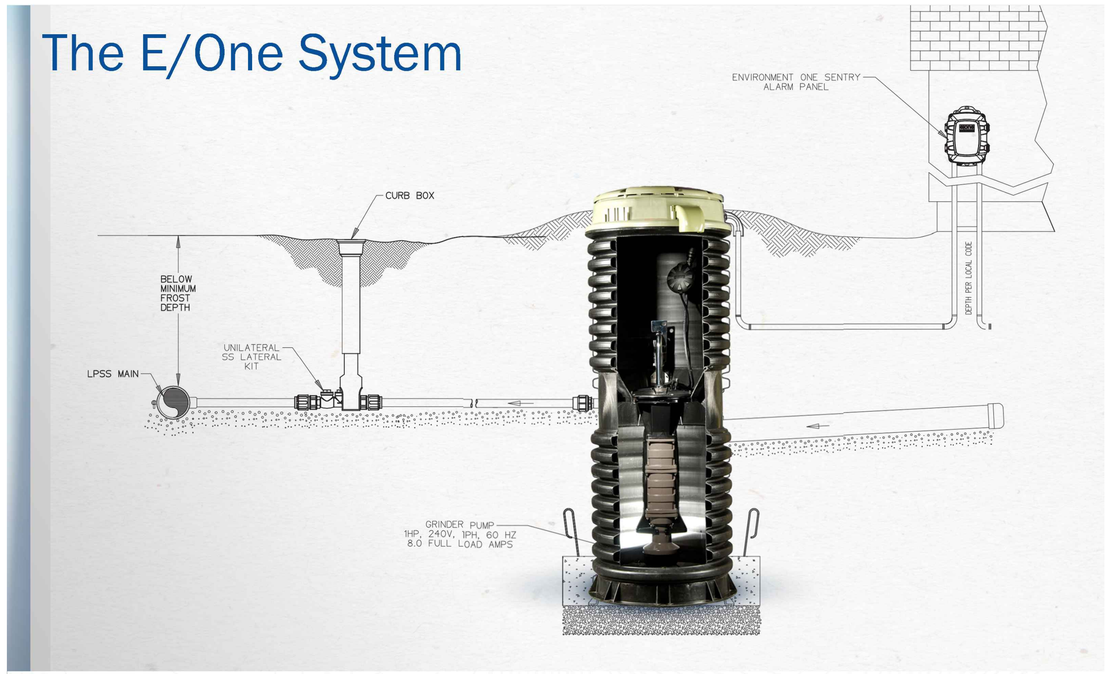
1. FOR SS FITTING INTO SS THREAD, USE PIPE DOPE OR TEFLON TAPE, NOT BOTH
2. FOR PLASTIC FITTINGS INTO SS THREAD, USE BOTH PIPE DOPE AND 2 LAYERS OF TEFLON TAPE

SGS	DN	09/20/11	A	3/16
DR BY	CHK'D	DATE	ISSUE	SCALE

SEWER SYSTEMS

STAINLESS STEEL LATERAL ASSEMBLY
NO FITTINGS

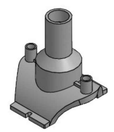
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Data sheet

valid from: 7/20/21

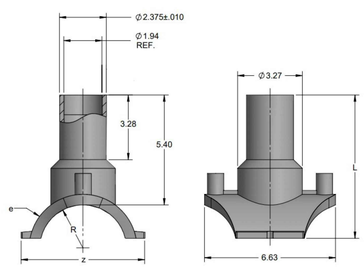
+GF+



ELECTROFUSION BRANCH SADDLE:
PE4710, IPS x 1.25" Butt Outlet, DR11, 4.7R Pin Under Clamp

- Pin Type: 4.7R (4.7 Pin with Resistor)
- Approval: ASTM D2513
- Approval: ASTM F1055
- Approval: ASTM D3261
- Approval: AWWA C906
- Certified to NSF/ANSI/CAN-61-G

Main Size (inch)	GF Code	weight (lb)	R (inch)	z (inch)	L (inch)	e (inch)	Box Qty
2	360 021 156	0.5	1.19	3.59	6.65	0.35	8



The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guarantee durability. They are subject to modification. Our General Terms of Sale apply.

Georg Fischer Piping Systems Ltd, Postfach, CH-8201 Schaffhausen/Switzerland
Phone +41 -(0)52-631 1111
e-mail: info.ps@georgfischer.com
Internet: http://www.gfps.com

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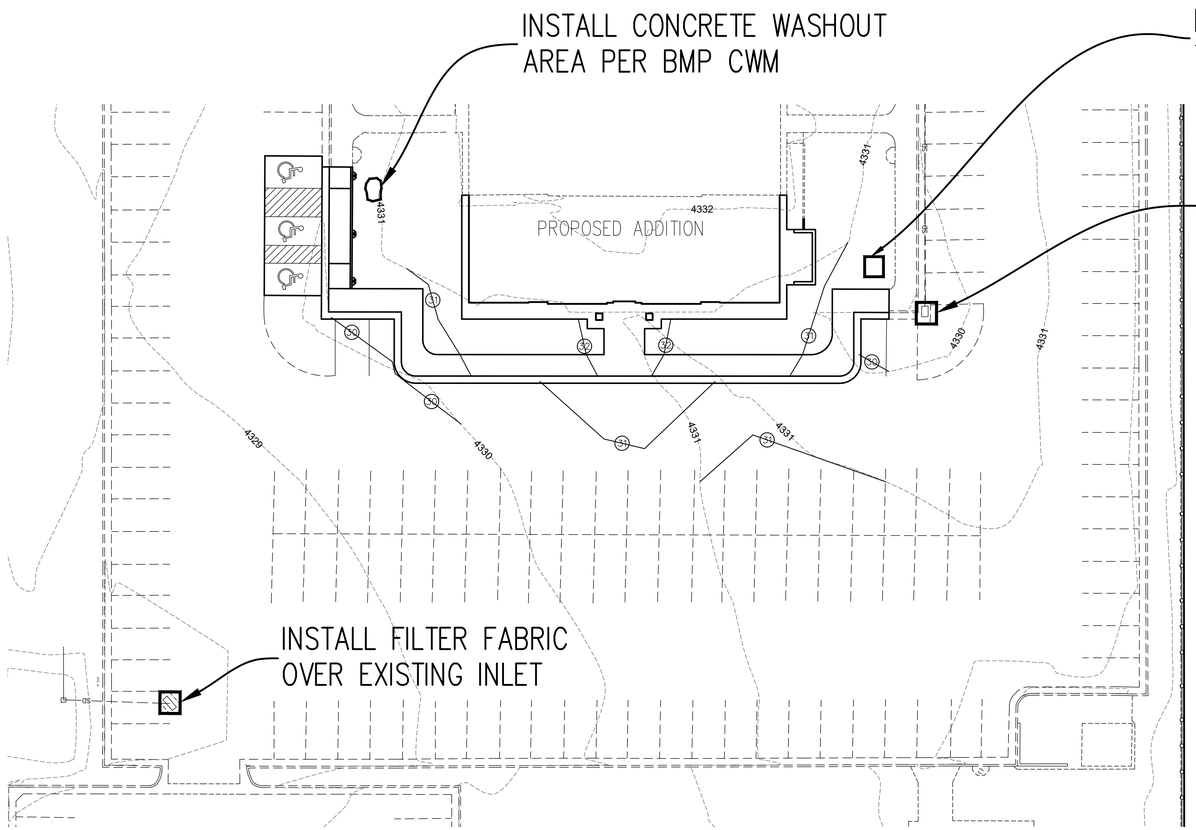
Plan Series
Stake Suite Addition

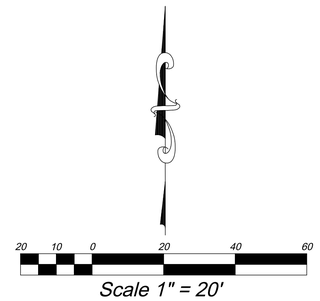
Property Number
548-6467-24020101

Date
May 5, 2025

Sheet Title
DETAIL SHEET

Sheet
C203





EROSION CONTROL NOTES:

1. CONTRACTOR IS TO READ AND UNDERSTAND ALL BMP PRACTICES PRIOR TO ANY CONSTRUCTION ON THIS SITE. CONTRACTOR IS TO FOLLOW ALL BMP PRACTICES CONTAINED IN THESE PLANS.
2. INSTALL CONCRETE WASHOUT AREA AS PER BMP CWM.
3. INSTALL PORTABLE TOILET AS PER BMP PT
4. INSTALL INLET PROTECTION USING FILTER FABRIC OR EQUAL ON EXISTING INLETS. .
5. THE SITE IS TO BE WATERED AT LEAST ONCE A WEEK TO CONTROL DUST OR MORE FREQUENT AS DETERMINED BY THE CONTRACTOR.
6. CONTRACTOR IS TO REMOVE INLET PROTECTION FROM CATCH BASINS AND CLEAN-OUT ALL CATCH BASINS BEFORE LEAVING THE SITE.
7. CONTRACTOR WILL BE RESPONSIBLE FOR THE IMPLEMENTATION AND MAINTENANCE OF BMP'S DURING CONSTRUCTION.
8. ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED & MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
9. CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

811 Know what's below. Call before you dig.

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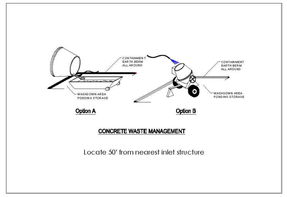
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
EROSION CONTROL PLAN

Sheet
C204

BMP: Concrete Waste Management

CWM
Construction



DESCRIPTION:
Prevent or reduce the discharge of pollutants to storm water from concrete waste by conducting washout off-site, performing on-site washout in a designated area, and training employees and subcontractors.

APPLICATION:
This technique is applicable to all types of sites.

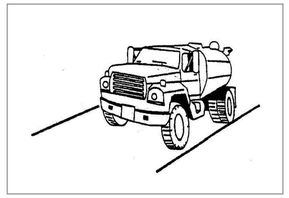
INSTALLATION/APPLICATION CRITERIA:
- Store dry materials under cover, away from drainage areas.
- Minimize excess mixing of fresh concrete, mortar or cement on-site.
- Perform washout of concrete trucks off-site or in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped on-site, except in designated areas.
- When washing concrete to remove fine particles and expose the aggregate, avoid creating runoff by draining the water within a bermed or level area. (6" tall by 6" wide).
- Train employees and subcontractors in proper concrete waste management.

LIMITATIONS:
- Off-site washout of concrete wastes may not always be possible.

MAINTENANCE:
- Inspect subcontractors to ensure that concrete wastes are being properly managed.
- If using a temporary pit, dispose hardened concrete on a regular basis.

BMP: Dust Controls

DC
Construction



DESCRIPTION:
Dust control measures are used to stabilize soil from wind erosion, and reduce dust by construction activities.

APPLICATION:
Dust control is useful in any process area, loading and unloading area, material handling areas, and transfer areas where dust is generated. Street sweeping is limited to areas that are paved.

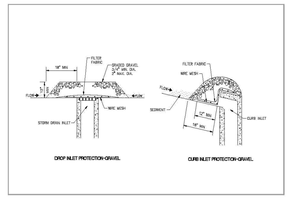
INSTALLATION/APPLICATION CRITERIA:
- Mechanical dust collection systems are designed according to the size of dust particles and the amount of air to be processed. Manufacturers' recommendations should be followed for installation (as well as the design of the equipment).
- Two kinds of street weepers are common: brush and vacuum. Vacuum sweepers are more efficient and work best when the area is dry.
- Mechanical equipment should be operated according to the manufacturers' recommendations and should be inspected regularly.

LIMITATIONS:
- Generally more expensive than manual systems.
- May be impossible to maintain by plant personnel (the more elaborate equipment).
- Labor and equipment intensive and may not be effective for all pollutants (street sweepers).

MAINTENANCE:
If water sprayers are used, dust-contaminated waters should be collected and taken for treatment. Areas will probably need to be resprayed to keep dust from spreading.

BMP: Inlet Protection-Gravel

IP-G
Construction



DESCRIPTION:
Placement of gravel filter over inlet to storm drain to filter storm water runoff.

APPLICATION:
Construct at inlets in paved or unpaved areas where upgradient area is to be disturbed by construction activities.

INSTALLATION/APPLICATION CRITERIA:
- Place wire mesh (with 1/2 inch openings) over the inlet grate extending one foot past the grate in all directions.
- Place filter fabric over the mesh. Filter fabric should be selected based on soil type.
- Place graded gravel, to a minimum depth of 12-inches, over the filter fabric and extending 18-inches past the grate in all directions.

LIMITATIONS:
- Recommended for maximum drainage area of one acre.
- Excess flows may bypass the inlet requiring down gradient controls.
- Ponding will occur at inlet.

MAINTENANCE:
- Inspect inlet protection after every large storm event and at a minimum of once monthly.
- Remove sediment accumulated when it reaches 4-inches in depth.
- Replace filter fabric and clean or replace gravel if clogging is apparent.

BMP: Land Grading

LG
Construction



DESCRIPTION:
Land grading involves reshaping the ground surface to planned grades as determined by an engineering survey, evaluation, and layout. Land grading provides more suitable topography for buildings, facilities, and other land uses and helps to control surface runoff, soil erosion, and sedimentation during and after construction.

APPLICATIONS:
Land grading is applicable to sites with uneven or steep topography or easily erodible soils, because it stabilizes slopes and decreases runoff velocity. Grading activities should maintain existing drainage patterns as much as possible.

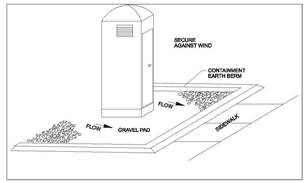
INSTALLATION/APPLICATION CRITERIA:
Before grading activities begin, a construction site operator must make decisions regarding the steepness of cut-and-fill slopes and how the slopes will be: Protected from runoff, stabilized and maintained.

LIMITATIONS:
Improper grading practices that disrupt natural stormwater patterns might lead to poor drainage, high-runoff velocities, and increased peak flows during storm events. Clearing and grading the entire site without vegetated buffers promotes offsite transport of sediments and other pollutants. Design the grading plan with erosion and sediment control and stormwater management goals in mind; to ensure that the plan is implemented as intended, carefully supervise grading crews.

MAINTENANCE:
- Check all graded areas and supporting erosion and sediment control practices periodically, especially after heavy rainfalls.
- Promptly remove all sediment from diversions or other stormwater conveyances, and if washouts or breaks occur, repair them immediately.
- To prevent small-scale eroded areas from becoming significant gullies, maintain them promptly.

BMP: Portable Toilets

PT
Construction



DESCRIPTION:
Temporary on-site sanitary facilities for construction personnel.

APPLICATION:
All sites with no permanent sanitary facilities or where permanent facility is too far from activities.

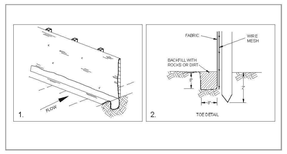
INSTALLATION/APPLICATION CRITERIA:
- Locate portable toilets in convenient locations throughout the site.
- Prepare level, gravel surface and provide clear access to the toilets for servicing and for on-site personnel.
- Construct earth berm perimeter (6" tall by 6" wide), control for spill/protection leak.

LIMITATIONS:
- No limitations.

MAINTENANCE:
- Portable toilets should be maintained in good working order by licensed service with daily observation for leak detection.
- Regular waste collection should be arranged with licensed service.
- All waste should be deposited in sanitary sewer system for treatment with appropriate agency approval.

BMP: Silt Fence

SF
Construction



DESCRIPTION:
A temporary sediment barrier consisting of entrenched filter fabric stretched across and secured to supporting posts.
Application:
- Perimeter control: place barrier at down-gradient limits of disturbance
- Sediment barrier: place barrier at toe of slope or soil stockpile
- Protection of existing waterways: place barrier at top of stream bank
- Inlet protection: place fence surrounding catchbasins

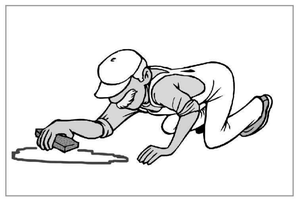
INSTALLATION/APPLICATION CRITERIA:
- Place posts 6 feet apart on center along contour (or use preassembled unit) and drive 2 feet minimum into ground. Excavate an anchor trench immediately up-gradient of posts.
- Secure wire mesh (14 gage min. with 6-inch openings) to upslope side of posts. Attach with heavy duty 1 inch long wire staples, tie wires or hog rings.
- Cut fabric to required width, unroll along length of barrier and drape over barrier. Secure fabric to mesh with twine, staples, or similar, with trailing edge extending into anchor trench.
- Backfill trench over filter fabric to anchor.

LIMITATIONS:
- Recommended maximum drainage area of 0.5 acre per 100 feet of fence
- Recommended maximum up-gradient slope length of 150 feet
- Recommended maximum uphill grade of 2:1 (50%)
- Recommended maximum flow rate of 0.5 cfs
- Ponding should not be allowed behind fence

MAINTENANCE:
- Inspect immediately after any rainfall and at least daily during prolonged rainfall.
- Look for runoff bypassing ends of barriers or undercutting barriers.
- Repair or replace damaged areas of the barrier and remove accumulated sediment.
- Reanchor fence as necessary to prevent shortcutting.
- Remove accumulated sediment when it reaches ½ the height of the fence.

BMP: Spill Clean-Up

SCU
Construction



DESCRIPTION:
Practices to clean-up leakage/spillage of on-site materials that may be harmful to receiving waters.

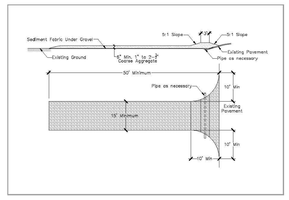
APPLICATION:
All sites

GENERAL:
- Store controlled materials within a storage area.
- Educate personnel on prevention and clean-up techniques.
- Designate an Emergency Coordinator responsible for employing preventative practices and for providing spill response.
- Maintain a supply of clean-up equipment on-site and post a list of local response agencies with phone numbers.

METHODS:
- Clean-up spills/leaks immediately and remediate cause.
- Use as little water as possible. NEVER HOSE DOWN OR BURY SPILL CONTAMINATED MATERIAL.
- Use rags or absorbent material for clean-up. Excavate contaminated soils. Dispose of clean-up material and soil as hazardous waste.
- Document all spills with date, location, substance, volume, actions taken and other pertinent data.
- Contact the Salt Lake County Health Department (313-6700) for any spill of reportable quantity.

BMP: Stabilized Construction Entrance

SCE
Construction



DESCRIPTION:
A stabilized pad of crushed stone located where construction traffic enters or leaves the site from or to paved surface.

APPLICATION:
At any point of ingress or egress at a construction site where adjacent traveled way is paved. Generally applies to sites over 2 acres unless special conditions exist.

INSTALLATION/APPLICATION CRITERIA:
- Clear and grub area and grade to provide maximum slope of 2%.
- Compact subgrade and place filter fabric if desired (recommended for entrances to remain for more than 3 months.
- Place coarse aggregate, 1 to 2-1/2 inches in size, to a minimum depth of 8 inches.

LIMITATIONS:
- Requires periodic top dressing with additional stones.
- Should be used in conjunction with street sweeping on adjacent public right-of-way.

MAINTENANCE:
- Inspect daily for loss of gravel or sediment buildup.
- Inspect adjacent roadway for sediment deposit and clean by sweeping or shoveling.
- Repair entrance and replace gravel as required to maintain control in good working condition.
- Expand stabilized area as required to accommodate traffic and prevent erosion at driveways.

BMP: Street Sweeping

SS
Construction



DESCRIPTION:
Reduce the discharges of pollutants to stormwater from street surfaces by conducting street cleaning on a regular basis.

APPROACH:
- Prioritize cleaning to use the most sophisticated sweepers, at the highest frequency, and in areas with the highest pollutant loading.
- Restrict street parking prior to and during sweeping.
- Increase sweeping frequency just before the rainy season.
- Proper maintenance and operation of sweepers greatly increase their efficiency.
- Keep accurate operation logs to track programs.
- Sweepers effective at removing smaller particles (less than 10 microns) may generate dust that would lead to concerns over worker and public safety.
- Equipment selection can be key for this particular BMP. There are two types used, the mechanical broom sweepers (more effective at picking up large debris and cleaning wet streets), and the vacuum sweepers (more effective at removing fine particles and associated heavy metals). Many communities find it useful to have a compliment of both types in their fleet.

LIMITATIONS:
- Conventional sweepers are not able to remove oil and grease.
- Mechanical sweepers are not effective at removing finer sediments.
- Effectiveness may also be limited by street conditions, traffic congestion, presence of construction projects, climatic conditions and condition of curbs.

MAINTENANCE:
- Replace worn parts as necessary.
- Install main and gutter brooms of the appropriate weight.

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Stamp

REGISTERED PROFESSIONAL ENGINEER
5/3/25
No. 270393
DAVID W. PETERSON
STATE OF UTAH

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3301 West 6000 South
Roy, Utah

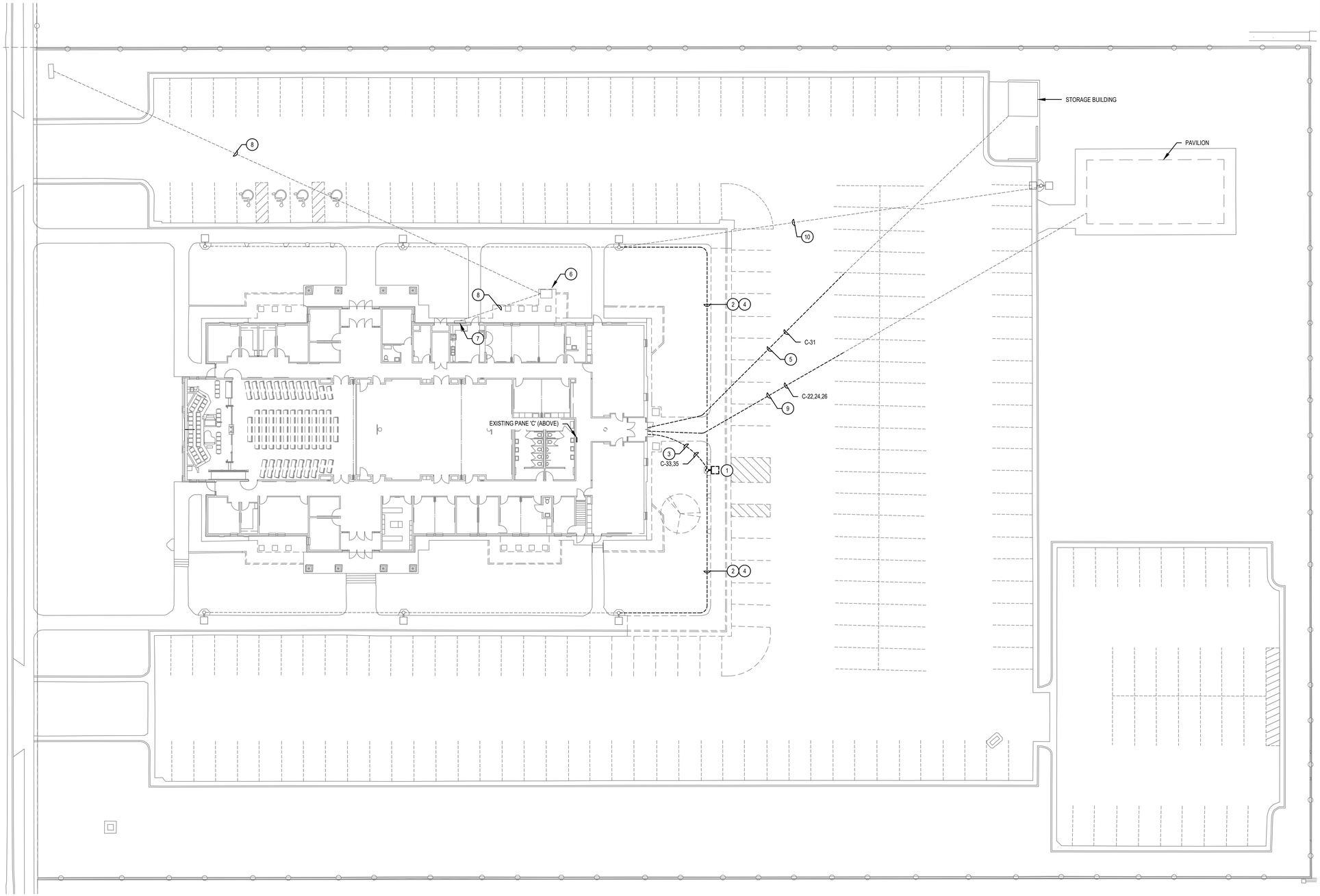
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
BMP DETAILS

Sheet
C205



GENERAL NOTES:

1. ALL EXISTING CONDUITS, BOXES, ETC. THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA SHALL BE RELOCATED OR REROUTED AS NECESSARY WHETHER SHOWN OR NOT.
2. BRANCH CIRCUITS, IF SHOWN WHERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES. THE CONTRACTOR SHALL VERIFY ALL CIRCUITS AFFECTED BY THIS PROJECT PRIOR TO ANY DEMOLITION.
3. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.

KEYED NOTES: (#)

1. DISCONNECT, REMOVE AND STORE EXISTING PARKING LOT POLE LIGHT FOR REUSE. PROTECT FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION. ANY DAMAGE TO THE LIGHT FIXTURE SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
2. REMOVE EXISTING CONDUIT AND CONDUCTORS BACK TO THE NEXT POLE LIGHT THAT IS TO REMAIN IN PLACE AS NECESSARY FOR NEW CONSTRUCTION. REUSE EXISTING CONDUIT STUB AT THE EXISTING POLE BASE THAT IS TO REMAIN FOR CONNECTIONS TO RELOCATED POLE LIGHT. SEE SHEET C302.
3. IT IS ASSUMED THE HOME RUN FOR PARKING LOT POLE LIGHTS IS IN THIS GENERAL LOCATION. CONTRACTOR SHALL REMOVE, AND REROUTE HOME RUN CONDUIT AND CONDUCTORS TO BE OUT OF THE NEW CONSTRUCTION AREA.
4. CONTRACTOR TO TEMPORARILY REWIRE THE EXISTING POLE LIGHTS SO THEY ARE OPERATIONAL DURING THE CONSTRUCTION.
5. IT IS ASSUMED THE HOME RUN FOR STORAGE BUILDING BRANCH CIRCUITS ARE IN THIS GENERAL LOCATION. REMOVE EXISTING CONDUIT AND CONDUCTORS AS NECESSARY TO BE OUT OF THE CONSTRUCTION AREA. IT IS ASSUMED THAT THE IRRIGATION CONTROLLER IS LOCATED IN THE STORAGE BUILDING. CONTRACTOR TO REWIRE THE STORAGE BUILDING SO IT REMAINS OPERATIONAL DURING THE CONSTRUCTION.
6. EXISTING UTILITY TRANSFORMER TO REMAIN IN PLACE. PROTECT FROM DAMAGED DURING ALL PHASES OF THE CONSTRUCTION. IF THE TRANSFORMER IS DAMAGED DUE TO THE CONSTRUCTION IT WILL BE REPLACED OR REPAIRED AT NOT ADDITIONAL COST TO THE OWNER. BLUE STAKE SITE PRIOR TO START OF CONSTRUCTION.
7. EXISTING CT CABINET AND METER TO REMAIN IN PLACE. PROTECT FROM DAMAGED DURING ALL PHASES OF THE CONSTRUCTION. IF THE CT CABINET OR METER IS DAMAGED DUE TO THE CONSTRUCTION IT WILL BE REPLACED OR REPAIRED AT NOT ADDITIONAL COST TO THE OWNER.
8. EXISTING UTILITY UNDERGROUND DISTRIBUTION TO REMAIN IN PLACE AND IS ASSUMED TO BE IN THIS GENERAL LOCATION. PROTECT FROM DAMAGED DURING ALL PHASES OF THE CONSTRUCTION. IF DISTRIBUTION IS DAMAGED DUE TO THE CONSTRUCTION IT WILL BE REPLACED OR REPAIRED AT NOT ADDITIONAL COST TO THE OWNER. BLUE STAKE SITE PRIOR TO START OF CONSTRUCTION.
9. IT IS ASSUMED THE HOME RUN FOR PAVILION BRANCH CIRCUITS ARE IN THIS GENERAL LOCATION. REMOVE EXISTING CONDUIT AND CONDUCTORS AS NECESSARY TO BE OUT OF THE CONSTRUCTION AREA. CONTRACTOR TO REWIRE THE PAVILION SO IT REMAINS OPERATIONAL DURING THE CONSTRUCTION.
10. IT IS ASSUMED THE BRANCH CIRCUIT FOR PAVILION POLE LIGHT IS IN THIS GENERAL LOCATION. EXISTING POLE LIGHT TO REMAIN IN PLACE. PROTECT FROM DAMAGED DURING ALL PHASES OF THE CONSTRUCTION. IF THE PAVILION POLE LIGHT BRANCH CIRCUIT IS DAMAGED DUE TO THE CONSTRUCTION IT WILL BE REPLACED OR REPAIRED AT NOT ADDITIONAL COST TO THE OWNER.

A ELECTRICAL SITE DEMOLITION PLAN

SCALE: 1" = 20'-0"

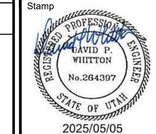
NORTH

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2025/05/05

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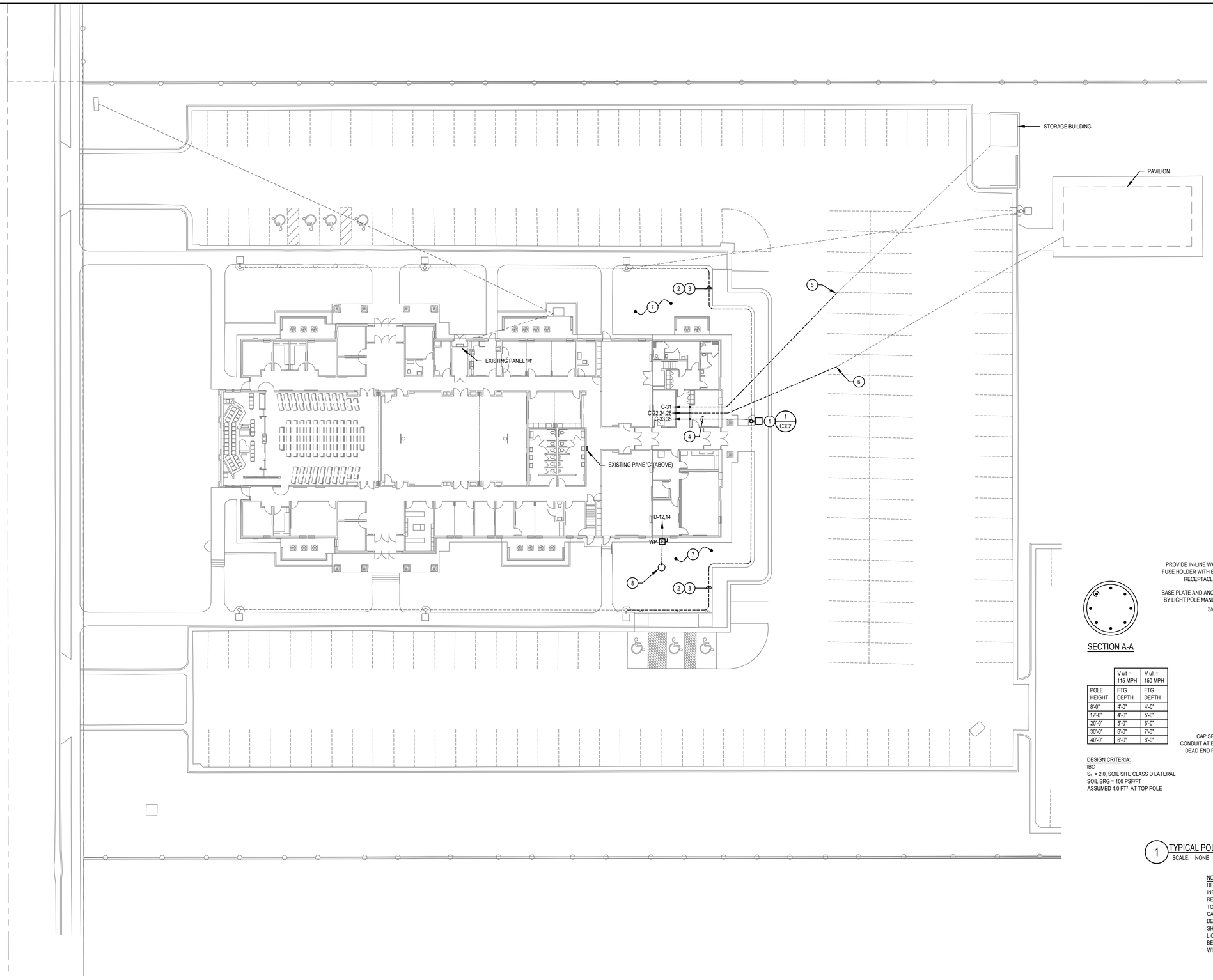
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number	25-12
Plan Series	Stake Suite Addition
Property Number	548-6467-24020101
Date	May 5, 2025

Sheet Title
ELECTRICAL SITE DEMOLITION PLAN

Sheet
C301



GENERAL NOTES:

1. ALL CONDUITS THAT ARE 1" AND LARGER THAT ARE ROUGH-IN UNDER THE SLAB SHALL BE PLACED UNDER THE VAPOR BARRIER.
2. ALL SITE CONDUIT AND LIGHT POLE CONDUIT SHALL BE PLACED 24" BELOW THE FINSIHED GRADE. DO NOT INSTALL CONDUIT ON TOP OF GRAVEL OR DIRECTLY BELOW THE SIDEWALK OR BUILDING SLAB.

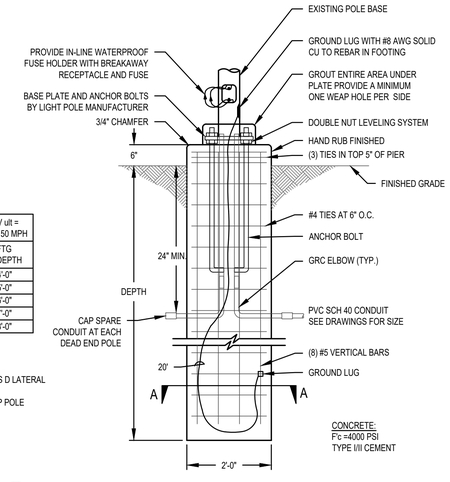
KEYED NOTES: (#)

1. REINSTALL EXITING PARKING LOT POLE LIGHT THAT WAS REMOVED AS PART OF THE DEMOLITION.
2. INTERCEPT THE EXISTING POLE LIGHTING CONDUIT AND EXTEND TO NEW LIGHT POLE LOCATION. CONFIRM CONDUIT SIZE AND MATCH EXISTING.
3. PROVIDE NEW BRANCH CIRCUIT FROM PREVIOUS POLE LIGHT TO RELOCATED POLE LIGHT. CONDUCTORS TO BE CONTINUOUS FROM POLE LIGHT TO POLE LIGHT. DO NOT SPLICE CONDUCTORS. EXISTING CONDUCTORS ARE ASSUMED TO BE 2 #10, 1 #10 GND, THWN-2, CU. CONTRACTOR TO MATCH THE EXISTING INSTALLED CONDUCTORS. CONFIRM PRIOR TO START OF CONSTRUCTION.
4. RECONNECT PARKING LOT POLE LIGHTS TO THE EXISTING BRANCH CIRCUIT AND CONTROLS THAT WERE IN PLACE PRIOR TO THE DEMOLITION. ALL PARKING LOT LIGHTS TO FUNCTION THE SAME AS PRIOR TO THE DEMOLITION.
5. INTERCEPT EXISTING CONDUIT FEEDING THE STORAGE BUILDING AND RECONNECT AND EXTEND TO PANEL 'C'. CONFIRM CONDUIT SIZE AND MATCH EXISTING. EXTEND NEW CONDUCTORS FROM THE STORAGE BUILDING DISCONNECT TO PANEL C. STORAGE BUILDING TO FUNCTION THE SAME AS PRIOR TO THE DEMOLITION. PROVIDE NEW CONDUCTORS AS REQUIRED.
6. INTERCEPT EXISTING CONDUIT FEEDING THE PAVILION AND EXTEND TO PANEL C. EXTEND NEW CONDUCTORS FROM THE PAVILION TO PANEL 'C'. PAVILION RECEPTACLES AND LIGHTS TO FUNCTION THE SAME AS PRIOR TO THE DEMOLITION.
7. RESTORE ANY CONDUITS AND BRANCH CIRCUITS THAT WERE REMOVED OR DAMAGED DURING THE DEMOLITION OR NEW CONSTRUCTION.
8. SEWER EJECTOR PUMP. PROVIDE POWER CONNECTION AND ALL REQUIRED CONDUIT ROUGH-IN. CONFIRM ALL POWER REQUIREMENTS WITH THE ACTUAL PUMP SUPPLIED TO THE PROJECT. COORDINATE ALL CONNECTION REQUIREMENTS WITH THE PUMP SUPPLIER / INSTALLER PRIOR TO ANY ROUGH-IN.

SECTION A-A

POLE HEIGHT	V ult = 115 MPH FTG DEPTH	V ult = 150 MPH FTG DEPTH
8'-0"	4'-0"	4'-0"
12'-0"	4'-0"	5'-0"
20'-0"	5'-0"	6'-0"
30'-0"	6'-0"	7'-0"
40'-0"	6'-0"	8'-0"

DESIGN CRITERIA:
IBC
S_s = 2.0, SOIL SITE CLASS D LATERAL
SOIL BRG = 100 PSF/FT
ASSUMED 4.0 FT³ AT TOP POLE



CONCRETE:
F'c =4000 PSI
TYPE I/II CEMENT

1 TYPICAL POLE BASE DETAIL
SCALE: NONE

NOTE:
DESIGN SHOWN FOR CONCRETE POLE BASES IS FOR INFORMATIONAL PURPOSES ONLY TO CONVEY THE NECESSARY REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO PROVIDE A POLE BASE DESIGN AND ASSOCIATED STRUCTURAL CALCULATIONS AND SUBMIT THEM TO THE ENGINEER AS A DEFERRED SUBMITTAL FOR REVIEW. THE POLE BASE DESIGN SHALL BE STAMPED AND SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF UTAH. THE POLE BASE DESIGN SHALL BE BASED UPON THE ACTUAL POLE, FIXTURE, SOIL CONDITIONS, WIND SPEED FOR THE AREA INSTALLED, ETC.

A ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

NORTH

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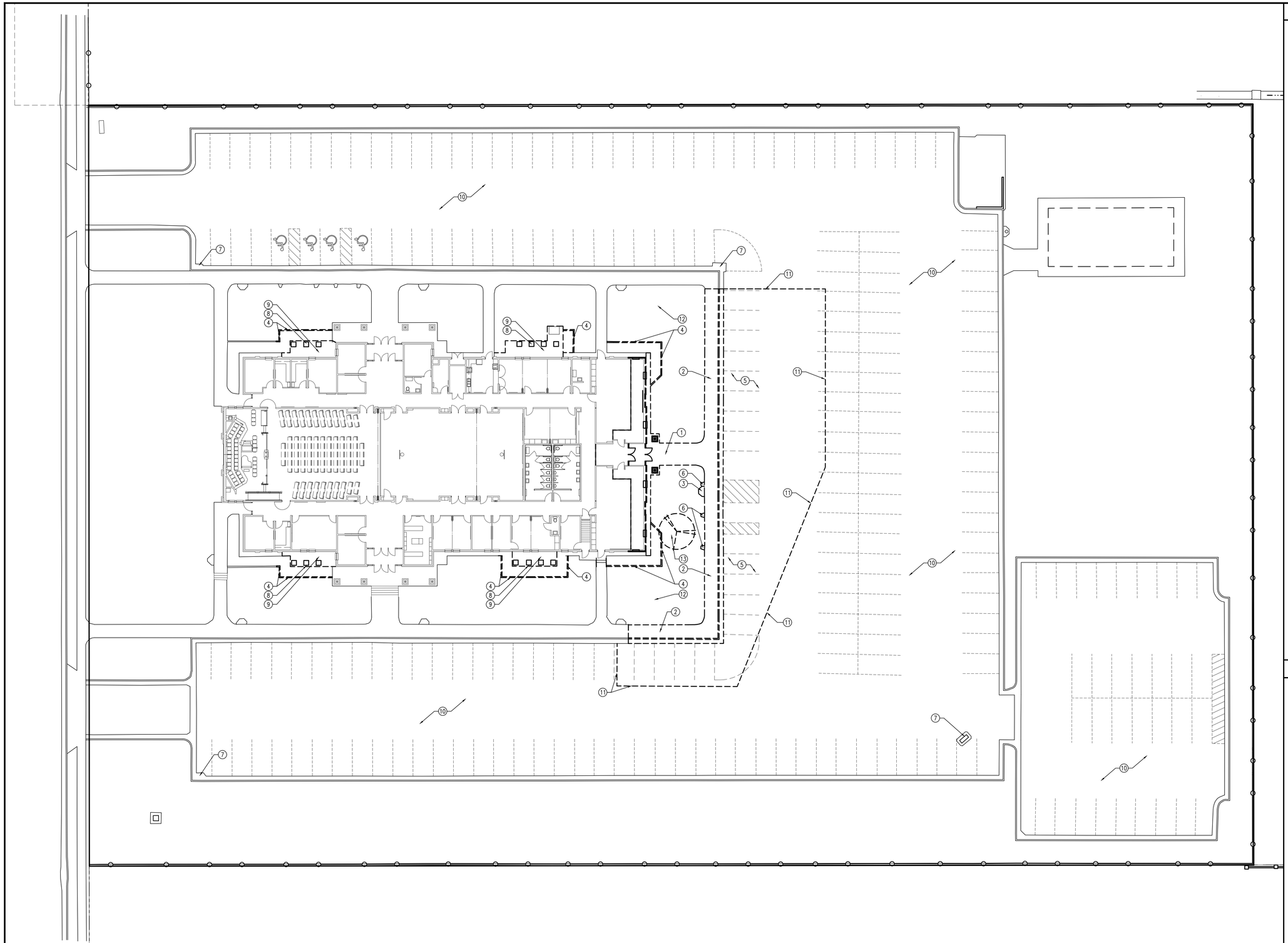
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions	Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
ELECTRICAL SITE PLAN

Sheet
C302



DEMOLITION SITE PLAN

SCALE: 1" = 20'-0"

NORTH

KEYED NOTES

1. SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK; SHOWN DASHED
2. SAWCUT AND REMOVE EXISTING COMBINATION CONCRETE SIDEWALK, CURB AND GUTTER; SHOWN DASHED
3. REMOVE EXISTING LIGHT POLE AND CONCRETE APRON; SALVAGE LIGHT POLE FOR REUSE
4. REMOVE EXISTING LANDSCAPING, CONCRETE MOW STRIPS, AND IRRIGATION; COORDINATE WITH NEW LANDSCAPE
5. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT AND ROAD BASE; DO NOT OVERCUT ASPHALT
6. REMOVE EXISTING ADA SIGN AND CONCRETE COLLAR
7. EXISTING CATCH BASIN TO REMAIN
8. REMOVED EXISTING MECHANICAL CONDENSING UNITS; SALVAGE FOR REINSTALLATION.
9. REMOVE EXISTING CONCRETE MECHANICAL PAD.
10. CLEAN PARKING LOT IN PREPARATION FOR NEW SEAL COAT.
11. SAWCUT EDGE OF ASPHALT.
12. REMOVE EXISTING TURF
13. EXISTING TREE TO BE REMOVED

GENERAL NOTES

1. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
2. ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR OR SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING UPON DISCOVERY.
4. ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. COORDINATE ALL SITE WORK WITH ALL OTHER CONTRACT DOCUMENTS
7. ALL APPLICABLE ELEMENTS OF THE AMERICAN'S WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES WILL BE ADHERED TO

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Stamp

LICENSED ARCHITECT
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273770
STATE OF UTAH

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

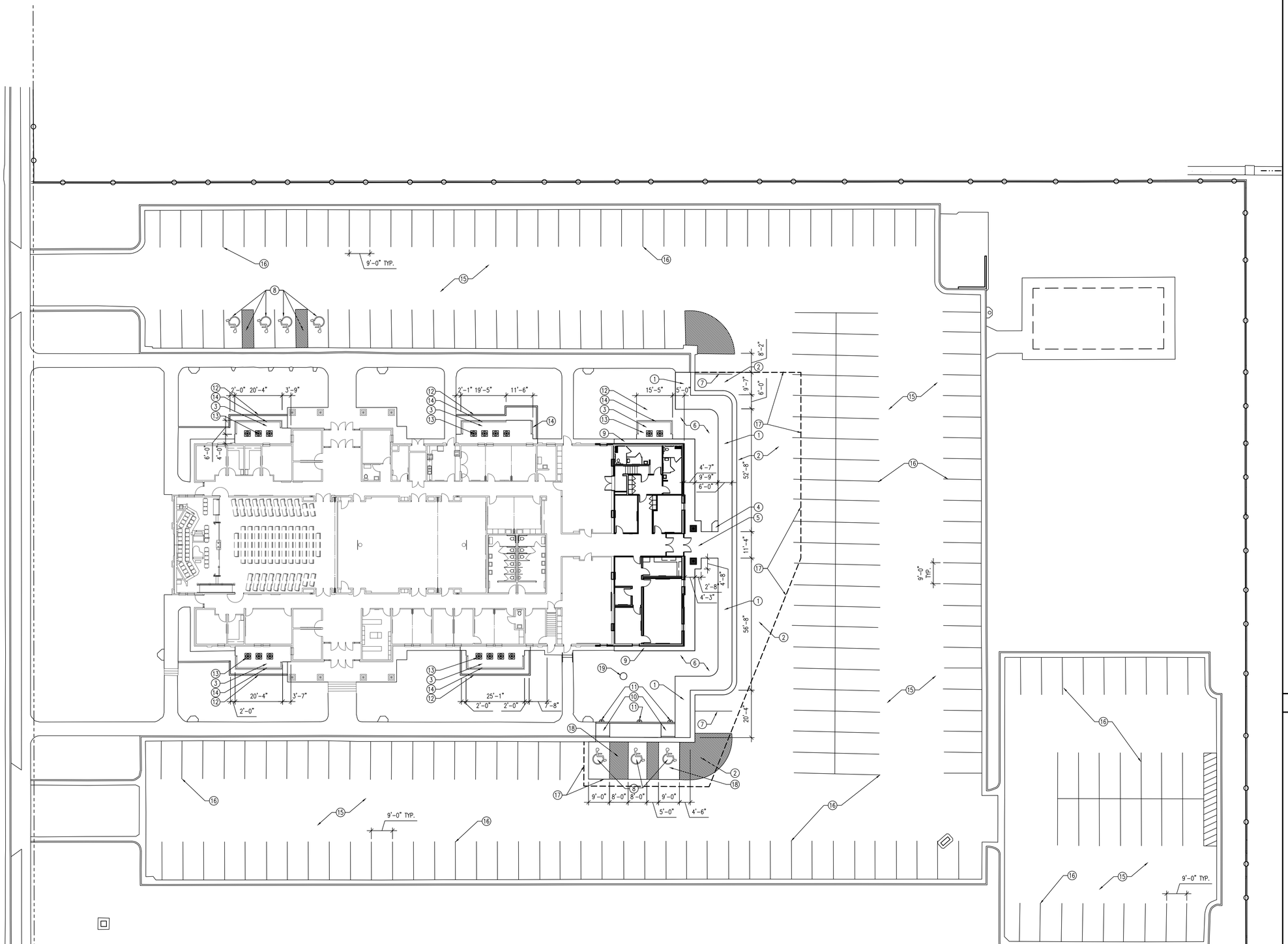
Revisions

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25-12
Plan Series
Stake Suite Addition
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Sheet Title
DEMOLITION SITE PLAN

Sheet
C401



ARCHITECTURAL SITE PLAN

SCALE: 1" = 20'-0"

KEYED NOTES

1. NEW COMBINATION CONCRETE SIDEWALK, CURB AND GUTTER; SEE A/C511
2. NEW ASPHALT PAVING; SEE D/C511
3. NEW 4" CONCRETE MECHANICAL PAD
4. INSTALL SALVAGED LIGHT POLE
5. NEW CONCRETE ENTRY; SEE C/C511
6. PATCH AND REPAIR EXISTING LANDSCAPING AND IRRIGATION; TYPICAL
7. NEW PAINTED PARKING STRIPING
8. NEW PAINTED ACCESSIBLE PARKING SIGN AND AISLE
9. NEW 2'-0" WIDE CONCRETE MOW STRIP TO MATCH EXISTING; SEE B/C511
10. NEW CONCRETE RAMP; SEE GRADING AND DRAINAGE PLAN
11. NEW PAINTED 2x8 TUBE STEEL POST SET IN CONCRETE PIER WITH CONCRETE COLLAR AND PARKING AND ACCESSIBLE SIGN ATTACHED, TOP OF SIGN TO BE 5'-0" ABOVE ADJACENT GRADE; TYPICAL OF (2).
12. NEW 6" CONCRETE MOW STRIP
13. INSTALL SALVAGED MECHANICAL CONDENSING UNIT
14. NEW MASONRY MECHANICAL ENCLOSURE; SEE F/C511
15. NEW SEAL COAT ON ENTIRE PARKING LOT.
16. NEW PAVEMENT MARKINGS
17. LINE OF NEW ASPHALT
18. 5" CONCRETE OVER 4" AGGREGATE BASE AT ADA PARKING STALL AND AISLE
19. EJECTOR PUMP – SEE C202

GENERAL NOTES

1. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
2. ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR OR SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING UPON DISCOVERY.
4. ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. COORDINATE ALL SITE WORK WITH ALL OTHER CONTRACT DOCUMENTS
7. ALL APPLICABLE ELEMENTS OF THE AMERICAN'S WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES WILL BE ADHERED TO

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Roy, Utah

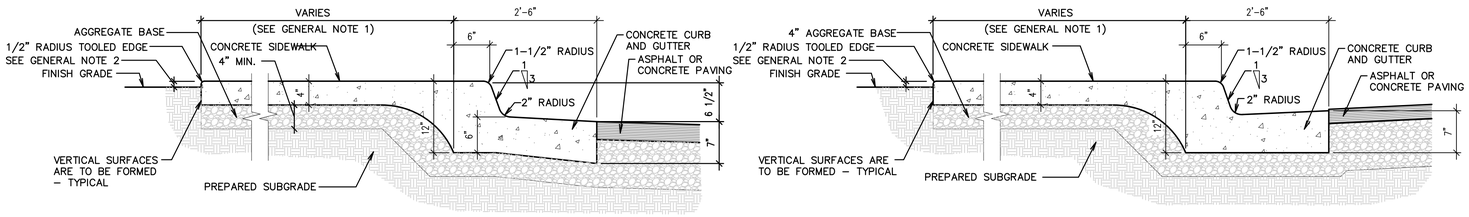
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions	Mark	Date	Description

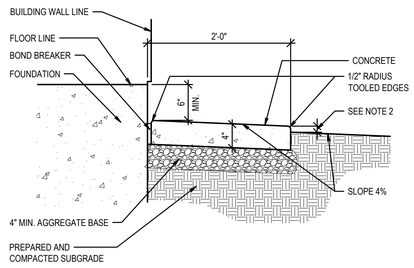
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
ARCHITECTURAL SITE PLAN

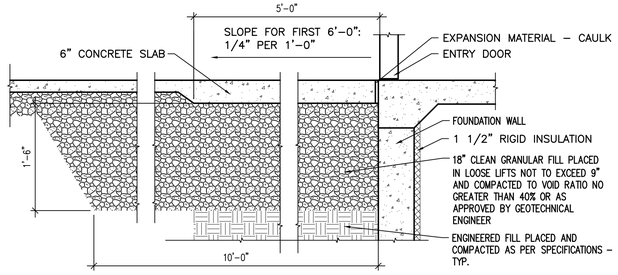
Sheet
C411



A INTEGRAL SIDEWALK, CURB AND GUTTER

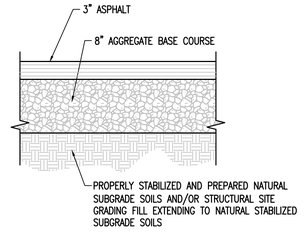


B APRON ADJACENT TO BUILDING

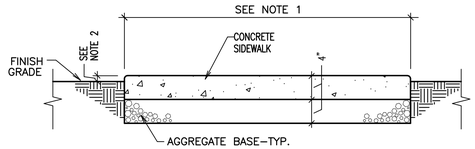


TYPICAL OF ALL ENTRIES

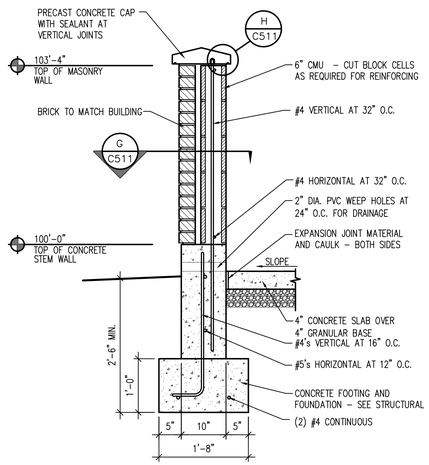
C ENTRY DETAIL
1" = 1'-0"



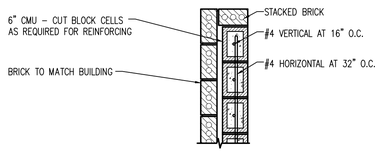
D ASPHALT SECTION
1" = 1'-0"



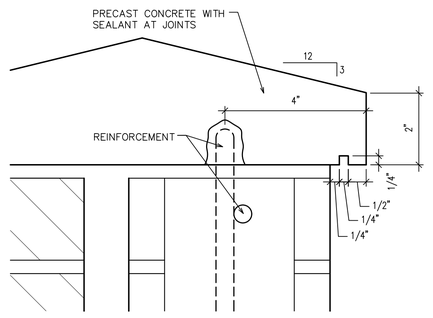
E CONCRETE WALK
1" = 1'-0"



F MECHANICAL ENCLOSURE
SCALE: 3/4" = 1'-0"



G PLAN SECTION
SCALE: 3/4" = 1'-0"



H SECTION
SCALE: 6" = 1'-0"

GENERAL NOTES

1. SEE SITE PLAN FOR APRON, MOW STRIP AND SIDEWALK LOCATIONS AND WIDTHS.
2. 2" PRIOR TO SODDING AND 4" IN PLANTING AREAS.
3. EXPANSION JOINT MATERIAL SHALL BE RECESSED 1/4" WHERE SEALANT IS NOT APPLIED, AND 1/2" WHERE SEALANT IS APPLIED.
4. EXTERIOR CONCRETE – USE 4,500 PSI. MIN. TYPE D IF EXPOSED TO FREEZING AND/OR DE-ICERS, 4,000 PSI. MIN. TYPE C OTHERWISE.
5. CONTRACTOR TO INSTALL EXPANSION AND CONTRACTION JOINTS AS REQUIRED PER THE SPECIFICATIONS.
6. ALL AGGREGATES SHALL SATISFY ASTM AND DEPARTMENT OF TRANSPORTATION STRENGTH AND DURABILITY REQUIREMENTS. GRANITE AGGREGATES ARE PREFERRED BUT HIGH QUALITY LIMESTONE AGGREGATES ARE ACCEPTABLE. SEE SPECIFICATION

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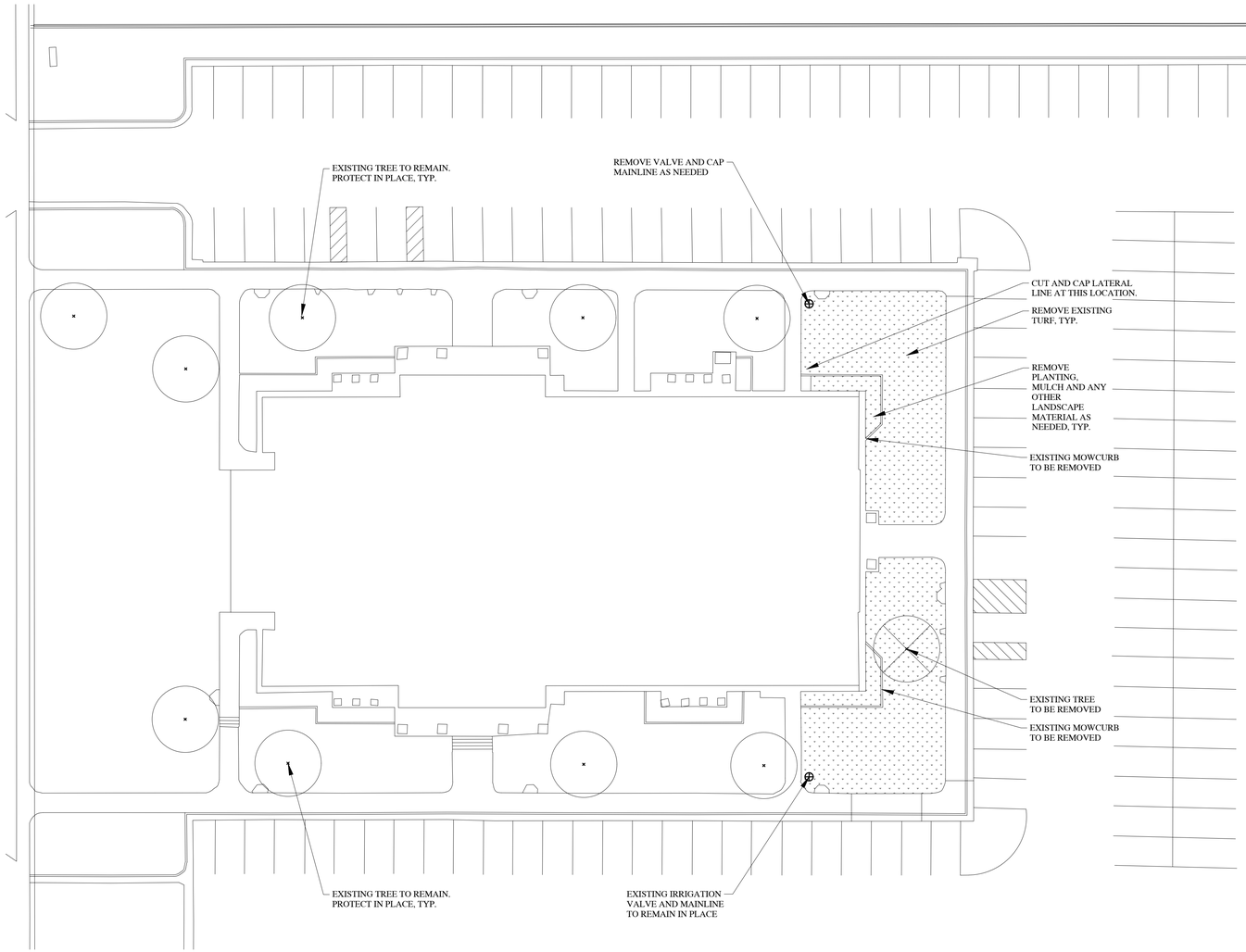
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
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SITE DETAILS

Sheet
C511



TREE LEGEND

SYMBOL	DESCRIPTION
×	EXISTING TREE PROTECT IN PLACE
⊗	EXISTING TREE REMOVE

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20' 0 20' 40' 60'

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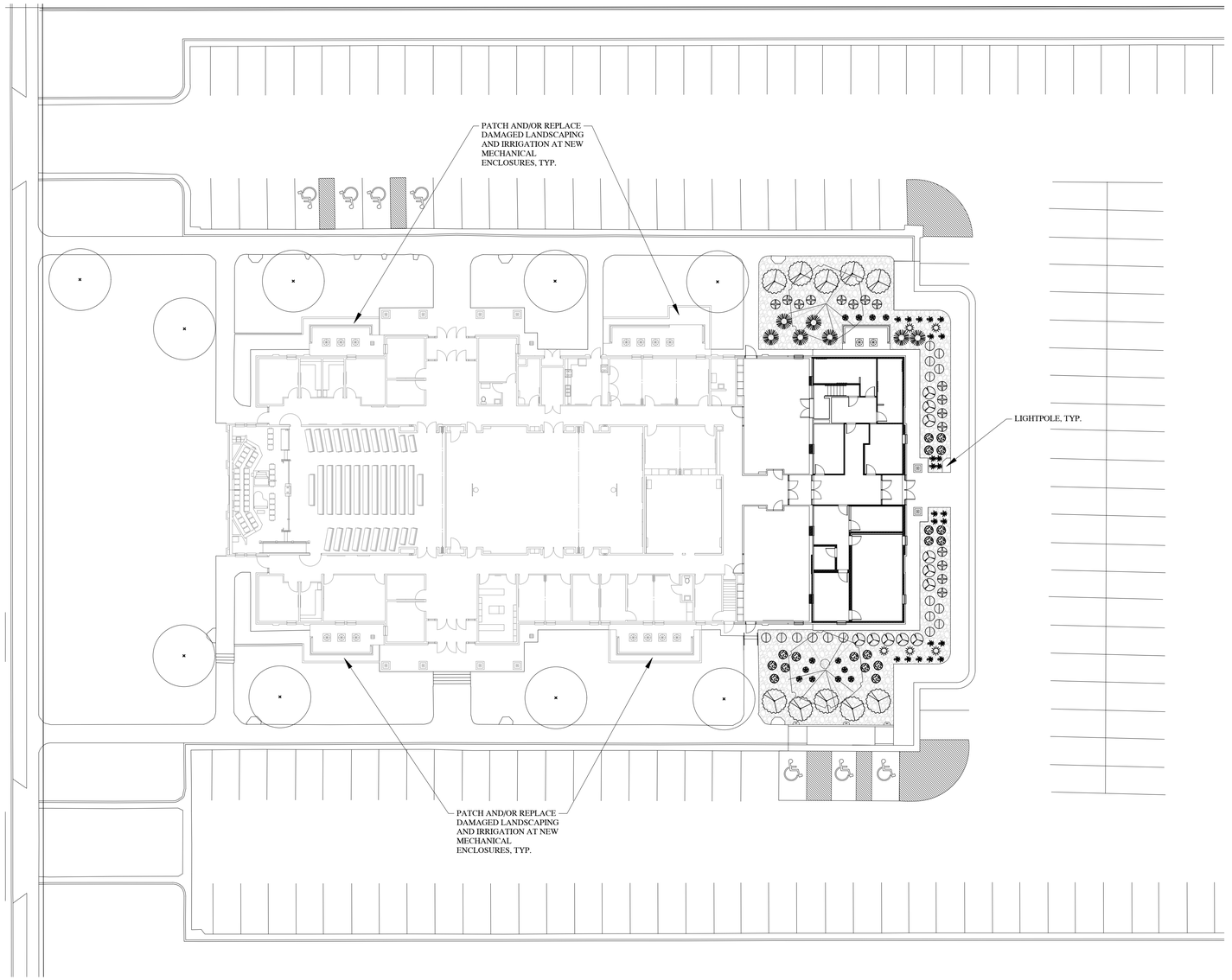
Project for:
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Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
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Sheet Title
DEMOLITION PLAN

Sheet
LS101



TREE LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
×	EXISTING TREE PROTECT IN PLACE		
	ACER PLATANOIDES 'CRIMSON KING' CRIMSON KING NORWAY MAPLE	2	2" CAL.

SHRUB LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	BUDDLIEA 'SMNBDBT' PUGSTER BLUE DWARF BUTTERFLY BUSH	16	5 GALLON
	EUONYMUS ALATUS 'COMPACTA' DWARF BURNING BUSH	11	5 GALLON
	HEMEROCALLLIS 'HAPPY RETURNS' HAPPY RETURNS DAYLILY	22	1 GALLON
	PANICUM VIRGATUM 'HOT ROD' HOT ROD SWITCH GRASS	5	1 GALLON
	PHYSOCARPUS OPULIFOLIUS 'HOOGI018' LITTLE ANGEL DWARF NINEBARK	12	5 GALLON
	PINUS MUGO 'SLOWMOUND' SLOWMOUND MUGO PINE	18	5 GALLON
	RHUS AROMATICA 'GRO-LOW' GRO-LOW FRAGRANT SUMAC	10	5 GALLON
	SPIRAEA BUMALDA 'GOLDMOUND' GOLDMOUND SPIREA	16	5 GALLON
	TAXUS X MEDIA 'DARK GREEN SPREADER' DARK GREEN SPREADER YEW	7	5 GALLON

GROUNDCOVER LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	1" TO 1.1/2" MINUS GRAVEL - TAN IN COLOR - CRUSHED ROCK MULCH FROM SANDEE'S SOIL & ROCK IN OGDEN, UTAH.	@ 3" DEPTH	PER PLAN

LANDSCAPE NOTES

1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE.
2. PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. ANY SUBSTITUTIONS TO BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
3. RETRO-FIT/EXTEND AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO NEW PLANTER AREAS PRIOR TO LANDSCAPE INSTALLATION TO ENSURE PROPER WATERING OF ALL LANDSCAPE AREAS. REFER TO IRRIGATION PLANS FOR SPECIFICS.
4. IMPORTED SANDY LOAM TOPSOIL TO BE INSTALLED (PER SPECS) AT A 12" DEPTH IN ALL NEW PLANTER AREAS.
5. PLANTER BEDS TO BE EXCAVATED AS NECESSARY IN ORDER TO ALLOW FOR TOPSOIL, AMENDMENTS AND MULCH. THE FINISHED GRADE OF PLANTER AREAS SHALL BE APPROX. 1" BELOW TOP OF CURB, SIDEWALK, OR OTHER PAVED AREA.
6. INSTALL PRE-EMERGENT HERBICIDE TO THE TOP OF SOIL/GRADE AFTER INSTALLING PLANTS AND PRIOR TO INSTALLING MULCH. AFTER INSTALLATION OF THE MULCH THE CONTRACTOR SHALL EVENLY BROADCAST A SECOND APPLICATION OF SLOW-RELEASE PRE-EMERGENT HERBICIDE. APPLY PRE-EMERGENT HERBICIDE PER MANUFACTURERS RECOMMENDATIONS.
7. DEWITT 4.1 OZ 20 YEAR WEED BARRIER FABRIC TO BE INSTALLED PRIOR TO ROCK MULCH. FOLLOW MANUFACTURERS INSTRUCTIONS AND DETAILS.
8. 1-1.1/2" MINUS GRAVEL - TAN COLORED ROCK MULCH FROM SANDEE'S SOIL & ROCK IN OGDEN, UTAH TO BE INSTALLED AT A 3" DEPTH IN PLANTER AREAS. PULL MULCH MIN. 3" AWAY FROM BASE OF ALL PERENNIALS, SHRUBS AND TREES.
9. SEE ARCHITECT AND CIVIL PLANS FOR ALL BUILDING AND SITE INFORMATION.
10. PATCH AND REPAIR EXISTING DAMAGED LAWN AND LANDSCAPE WHERE NECESSARY.

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions

Mark	Date	Description

Project Number
25-12

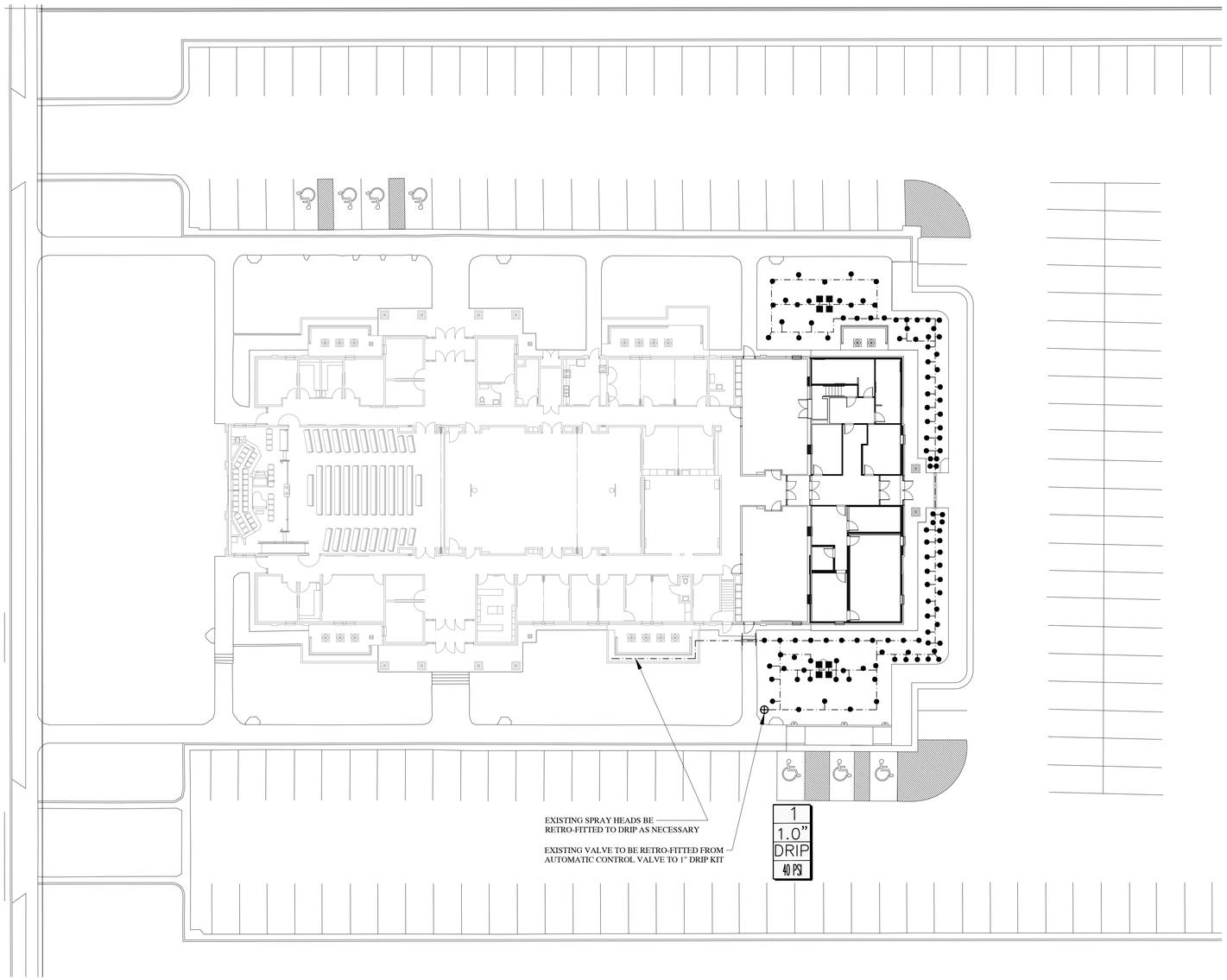
Plan Series
Stake Suite Addition

Property Number
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Date
May 5, 2025

Sheet Title
PLANTING PLAN

Sheet
LS201



IRRIGATION NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CITY AND/OR COUNTY CODES. THE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY PERMITS.
2. CONTRACTOR SHALL HAVE ALL UTILITIES BLUE STAKED BEFORE DIGGING. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF CONTRACTOR WITH NO EXTRA COST TO THE OWNER.
3. PROVIDE AN AS-BUILT, REPRODUCIBLE DRAWING TO OWNER SHOWING ALL VALVES AND PIPES. PROVIDE INSTRUCTIONS TO MAINTENANCE PERSONNEL FOR WINTERIZATION. SPRINKLER SYSTEM TO BE BLOWN OUT WITH AN AIR COMPRESSOR EACH FALL.
4. CONTRACTOR IS RESPONSIBLE FOR ENSURING ACCURATE COUNTS AND QUANTITIES OF ALL IRRIGATION MATERIALS FOR BIDDING AND INSTALLATION PURPOSES.
5. LANDSCAPE CONTRACTOR (L.C.) SHALL PROVIDE AND INSTALL SLEEVES FOR ALL PIPES AND WIRES UNDER PAVEMENT AND SIDEWALKS. SLEEVES SHALL BE 2 SIZES LARGER THAN PIPE INSIDE. ALL WIRE SHALL BE IN SEPARATE SLEEVES (NOT SHOWN). PLACE JUNCTION BOXES WHERE NECESSARY TO MINIMIZE LONG RUNS OR AT DIRECTIONAL CHANGES AS NECESSARY.
6. ALL SLEEVES INSTALLED SHALL BE DUCT TAPED TO PREVENT DIRT OR OTHER DEBRIS ENTERING PIPE. ALL SLEEVES SHALL BE IDENTIFIED BY WOOD OR PVC STAKES AND BE SPRAY PAINTED WITH MARKING PAINT. REMOVE STAKES ONCE IRRIGATION SYSTEM IS COMPLETE.
7. MAIN LINE TO REMAIN PLACE, CUT AND CAP WHERE INDICATED ON DEMOLITION PLAN (UNLESS OTHERWISE DIRECTED). LATERAL LINES SHALL BE NO SMALLER THAN 1". PIPES SHALL CARRY NO MORE THAN THE FOLLOWING: 1" PIPE MAX. 13 GPM, 1-1/2" PIPE MAX. 30 GPM. MODIFY PIPES, VALVE BOXES AND ALL OTHER SPRINKLER CONSTRUCTION IN LANDSCAPE AREAS. MODIFY LOCATION OF VALVE BOXES AS NECESSARY IN ORDER TO AVOID TREES AND SHRUBS PER PLANTING PLAN. USE TAN BOXES IN BED AREAS.
8. ALL SPRINKLERS SHALL BE ADJUSTED ON-SITE AS NECESSARY TO INSURE PROPER COVERAGE. CONTRACTOR TO FIELD VERIFY HEAD LAYOUT.
9. ACTUAL INSTALLATION OF IRRIGATION SYSTEM MAY VARY SOMEWHAT FROM PLANS. CONTRACTOR IS RESPONSIBLE TO MAKE NECESSARY ADJUSTMENTS TO ENSURE PROPER COVERAGE OF ALL LANDSCAPED AREAS.
10. EXISTING POINT OF CONNECTION COMPONENTS AND EXISTING CONTROLLER TO BE REUSED.
11. VALVE CONTROL WIRING SHALL BE 14 GAUGE COPPER SINGLE STRAND WIRE. WIRE SHALL BE WHITE FOR COMMON AND COLOR FOR CONTROL.

IRRIGATION LEGEND

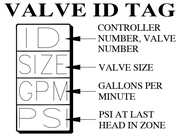
SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM Q	GPM T	GPM H	GPM TT	GPM TQ	GPM F	DRIP GPH	DETAILS	REMARKS
●	RAINBIRD XB-20	FULL	--	40	--	--	--	--	--	--	2.0	4	SEE LEGEND BELOW FOR
■	RAINBIRD XB-20	FULL	--	40	--	--	--	--	--	--	2.0	6	ADDITIONAL INFORMATION
⊕	REMOVE EXISTING VALVE & INSTALL NEW RAINBIRD XCZ-100BCOM CONTROL ZONE KIT IN ITS PLACE.											3	EXISTING VALVE BOX
	DRIP LATERAL LINE TO BE SCH. 40 PVC (SIZE AS REQUIRED)											1, 2	REFERENCE DETAILS

DRIP EMITTER LEGEND

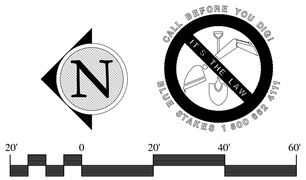
PLANT TYPE	EMITTER QTY	EMITTER TYPE
PERENNIALS/GRASSES	1	XB-20 (2 GPH)
SHRUBS	1	XB-20 (2 GPH)
TREES (PLUS NETAFIM AS REQ)	4	XB-20 (2 GPH)

NOTE:
1. EMITTERS LISTED ARE AVAILABLE FROM RAINBIRD.
2. NETAFIM SHALL BE .9GPM AT 12" EMITTER SPACING.

VALVE ID TAG



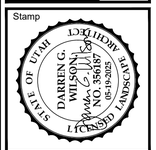
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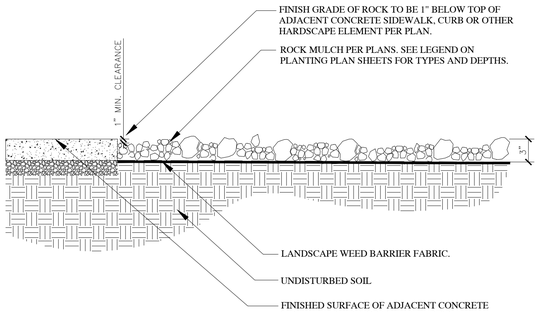
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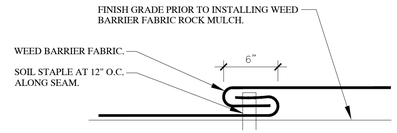
Sheet Title
IRRIGATION PLAN

Sheet
LS301



NOTES:
1. ROCK SHALL BE SCREENED & DOUBLE WASHED AND BE FREE OF DEBRIS PRIOR TO INSTALLATION. IF ROCK SUPPLIER DOES NOT HAVE A WASH PLANT, THE LANDSCAPE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR DOUBLE WASHING ALL ROCK MULCH AND BOULDERS PRIOR TO INSTALLATION.
2. BEFORE PLACING WEED BARRIER FABRIC AND ROCK, APPLY A PRE-EMERGENT HERBICIDE TO SOIL. AFTER PLACING WEED BARRIER, PLANTS AND ROCK, RAKE ROCK MULCH SMOOTH, WET MULCH TO ENTIRE DEPTH, ALLOW TO DRY, THEN APPLY A SECONDARY APPLICATION OF PRE-EMERGENT HERBICIDE TO TOP OF ROCK. KEEP TOP OF ROCK MULCH 1" BELOW ADJACENT WALKS AND CURBS. DO NOT ALLOW ROCK TO TOUCH THE TRUNK OF ANY PLANT. INSTALL ROCK AFTER INSTALLATION OF WEED BARRIER FABRIC AND PLANT MATERIAL.
3. CONTRACTOR TO ENSURE THAT TOP OF WEED BARRIER FABRIC IS FREE OF SOILS AND DEBRIS PRIOR TO PLACING ROCK MULCH.
4. SEE LANDSCAPE PLANS FOR ROCK TYPE AND DEPTH.

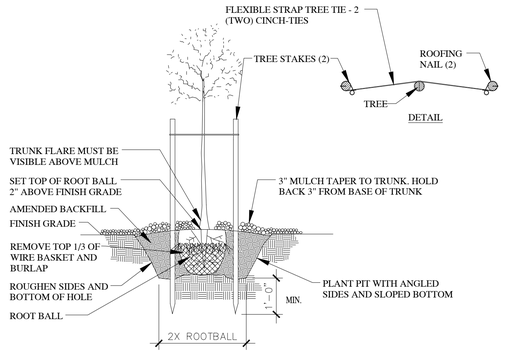
WEED FABRIC NOTE:
INSTALL 6" SOIL STAPLE IN WEED BARRIER FABRIC AT 5' O.C. TRIANGULAR SPACING. INSTALL 6" SOIL STAPLE AT 12" O.C. ALONG ALL WEED BARRIER FABRIC SEAMS. OVERLAP FABRIC MIN. OF 6" AT ALL SEAMS AS SHOWN BELOW. INSTALL SOIL STAPLE 6' O.C. ALONG EDGES & 2 AT EACH CORNER.



1 ROCK MULCH AND WEED BARRIER FABRIC

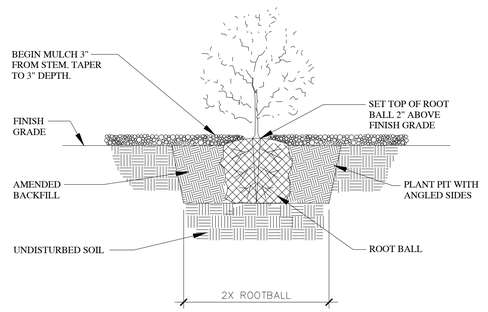
SCALE: NTS

NOTE:
DO NOT USE ROCK MULCH IN LAWN AREAS.



2 TREE PLANTING AND STAKING

SCALE: NTS



3 SHRUB PLANTING

SCALE: NTS

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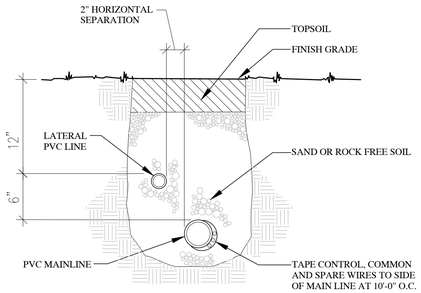
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

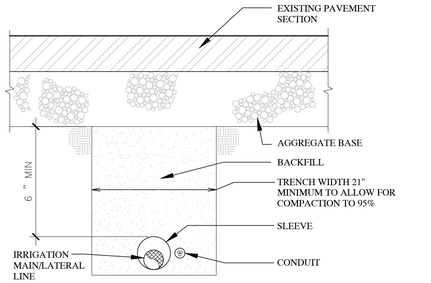
Sheet Title
LANDSCAPE DETAILS

Sheet
LS401



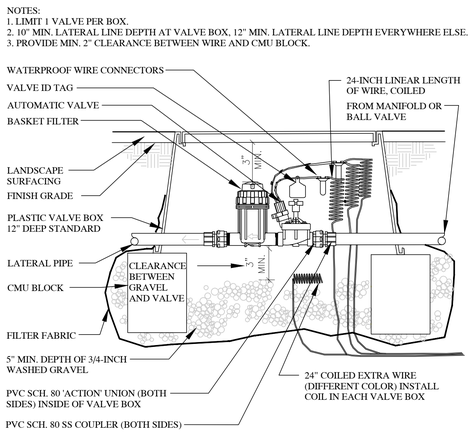
1 TRENCH SECTION - CONVENTIONAL WIRE SYS.

SCALE: NTS



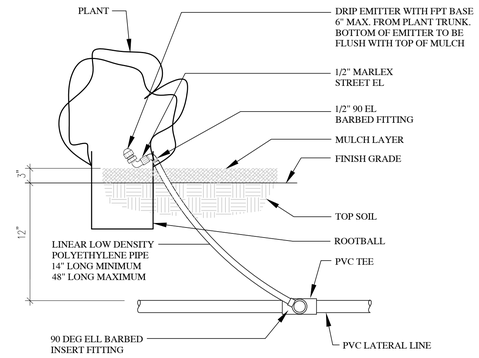
2 MISC. PIPE TRENCH: EXISTING PAVEMENT AREAS

SCALE: NTS



3 DRIP VALVE SECTION

SCALE: NTS



NOTE: LOCATE EMITTER ON BLDG OR FENCE SIDE OF PLANT.

4 DRIP EMITTER INSTALLATION

SCALE: NTS

NOTES:
1. USE AT TREE RINGS ONLY.
2. LIMIT 1 VALVE PER BOX.
3. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH EVERYWHERE ELSE.
4. PROVIDE MIN. 2" CLEARANCE BETWEEN CONDUIT AND CMU BLOCK.

5 PVC TO BE PIPE CONNECTION

SCALE: NTS

NOTE: INSTALL PC-05 AND XB-20 EMITTERS AS WELL AS NETAFIM 09-100 INLINE DRIP WITH 12" EMITTER SPACING FOR TREES IN PLANTER AREAS.

6 TREE DRIP - PLAN VIEW (PLANTER AREAS)

SCALE: NTS

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STATE OF UTAH DARREN G. WILSON NO. 356187 REGISTERED LANDSCAPE ARCHITECT

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3301 West 6000 South
Roy, Utah

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

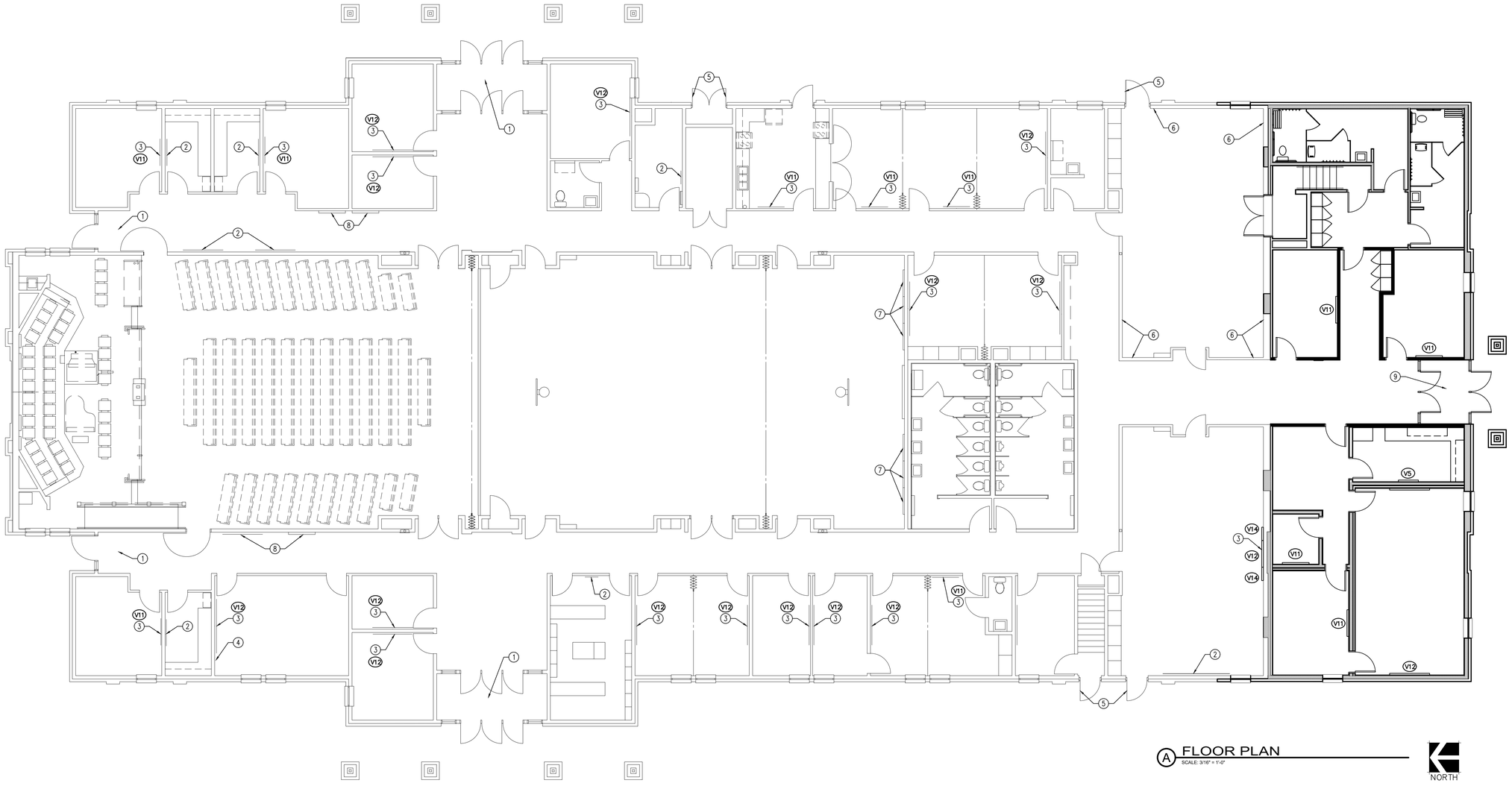
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Sheet Title
IRRIGATION DETAILS

Sheet
LS501

In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com



A FLOOR PLAN
SCALE: 3/16" = 1'-0"

NORTH

GENERAL NOTES

1. REMOVE AND REINSTALL ALL ARTWORK, SIGNAGE, TACKBOARDS AND DISPLAY CASES. REINSTALL AFTER PAINTING IS COMPLETED.
2. REMOVE AND DISPOSE OF ALL CHALKBOARDS; INSTALL OWNER PROVIDED GLASS BOARDS.
3. REMOVE SISAL THROUGHOUT BUILDING AND REPLACE WITH NEW.
4. REMOVE SISAL ON ACOUSTICAL WALL PANELS AND REPLACE WITH NEW.
5. REMOVE CARPET BASE THROUGHOUT BUILDING. THE OWNER WILL REMOVE EXISTING CARPET AND INSTALL NEW CARPET.
6. REMOVE EXISTING FLOOR TILE AND TILE BASE IN (3) VESTIBULES AND ENTRIES AT FRONT OF BUILDING. INSTALL NEW WALK OFF CARPET TILE. (OWNER PROVIDED)
7. PATCH, PREP, AND PAINT ALL WALLS IN ENTIRE BUILDING EXCEPT CHAPEL. CEILINGS DO NOT GET PAINTED. CEILINGS MUST BE MASKED DURING PAINTING OF WALLS.
8. PAINT ALL DOOR FRAMES THROUGHOUT ENTIRE BUILDING.
9. PAINT ALL EXTERIOR METAL DOORS AND FRAME, INSIDE AND OUT.
10. REMOVE WALL VINYL FROM RELIEF SOCIETY ROOM; SKIM COAT WALLS, TEXTURE AND PAINT.
11. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
12. THE CONTRACTOR OR SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING UPON DISCOVERY.
13. ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
14. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.

KEYED NOTES

1. REMOVE FLOOR TILE AND BASE AND INSTALL NEW OWNER PROVIDED WALK OFF CARPET TILE.
2. REMOVE TACKBOARD AND REINSTALL AFTER PAINTING.
3. REMOVE EXISTING CHALKBOARD AND INSTALL NEW GLASS BOARD AFTER PAINTING.
4. EXISTING TV TO REMAIN. PROTECT DURING CONSTRUCTION.
5. PAINT EXTERIOR DOOR AND FRAME ON BOTH INSIDE AND EXTERIOR.
6. REMOVE WALL VINYL, SKIM COAT, TEXTURE, AND PAINT WALL.
7. REMOVE SISAL ON ACOUSTICAL PANELS AND REPLACE WITH NEW.
8. REMOVE DISPLAY BOARD AND REINSTALL AFTER PAINTING.
9. INSTALL NEW OWNER PROVIDED WALK OFF CARPET TILE.

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3301 West 6000 South
Roy, Utah

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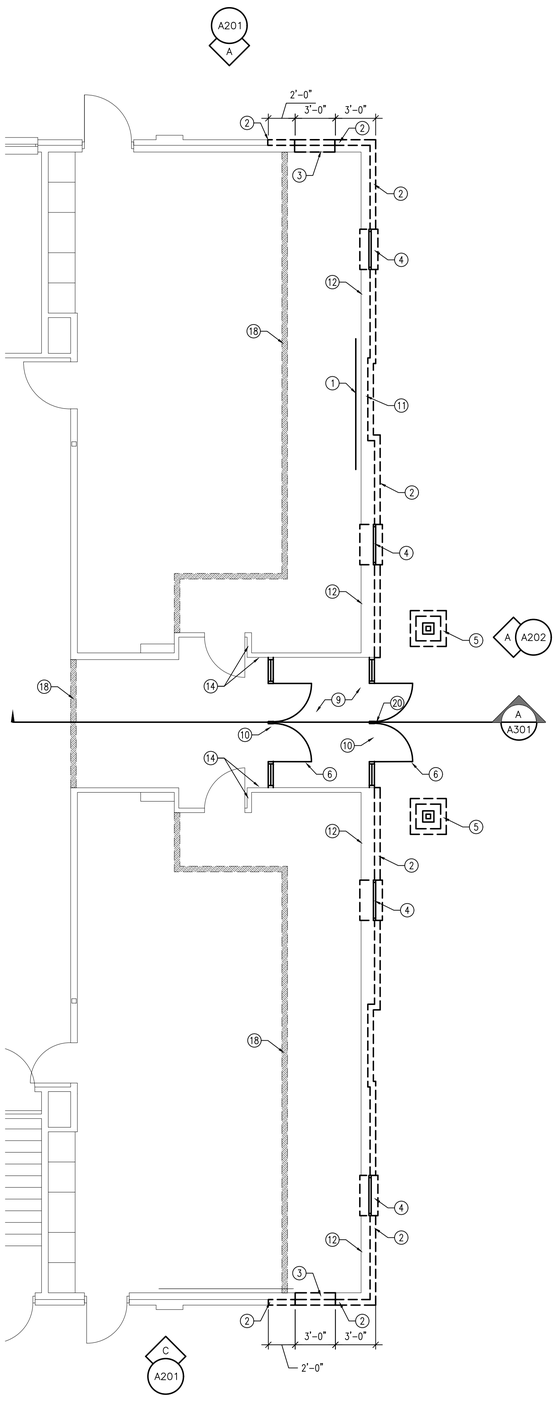
Plan Series
Stake Suite Addition

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Sheet Title
FLOOR PLAN

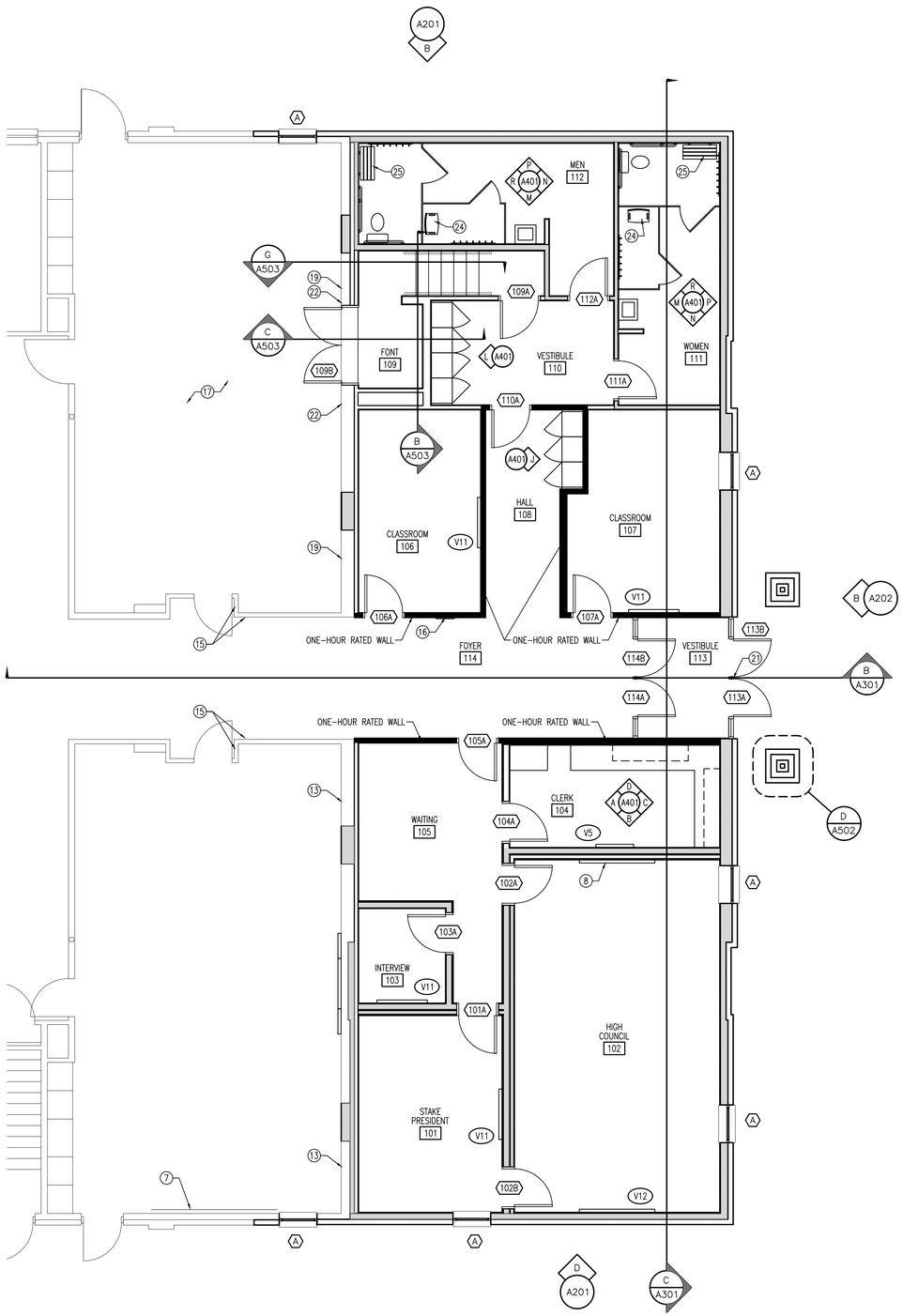
Sheet
A100



A DEMOLITION FLOOR PLAN

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

NORTH



B FLOOR PLAN

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

NORTH

KEYED NOTES

1. REMOVE EXISTING VISUAL DISPLAY BOARD, SALVAGE FOR REUSE
2. REMOVE EXISTING BRICK VENEER AND ASSOCIATED MATERIALS, SHOWN DASHED
3. REMOVE EXISTING WOOD STUD WALL FRAMING IN PREPARATION FOR NEW WINDOW, COORDINATE WITH NEW AND STRUCTURAL, SHOWN DASHED
4. REMOVE EXISTING WINDOW, SHOWN DASHED
5. REMOVE EXISTING COLUMNS, SHOWN DASHED
6. REMOVE EXISTING STOREFRONT DOORS AND FRAMES, SHOWN DASHED
7. INSTALL SALVAGED VISUAL DISPLAY BOARD
8. WALL MOUNTED TELEVISION, SEE ELECTRICAL
9. REMOVE EXISTING WALK-OFF TILE MAT CARPET
10. REMOVE EXISTING METAL THRESHOLD
11. REMOVE EXISTING WOOD STUD WALL FRAMING IN PREPARATION FOR NEW DOOR, COORDINATE WITH NEW AND STRUCTURAL, SHOWN DASHED
12. REMOVE EXISTING WALL SISAL AND CHAIR RAIL FROM CORNER TO CORNER
13. NEW CHAIR RAIL TO MATCH EXISTING, EXTEND FROM CORNER TO CORNER.
14. REMOVE EXISTING WALL SISAL AND CHAIR RAIL FROM THE STOREFRONT DOOR TO THE HOLLOW METAL DOOR FRAME
15. NEW CHAIR RAIL, EXTEND TO HOLLOW METAL DOOR FRAME.
16. NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER; SEE G/A502
17. REMOVE EXISTING WALL VINYL AND SISAL IN ENTIRE ROOM; SKIM COAT ALL WALLS; PAINT
18. CONSTRUCT TEMPORARY DUST BARRIER WALL, REMOVE AT COMPLETION OF PROJECT
19. NEW CHAIR RAIL TO MATCH EXISTING, EXTEND FROM CORNER TO CORNER
20. REMOVE EXISTING CARD READER AND ASSOCIATED EQUIPMENT; SALVAGE FOR REUSE
21. INSTALL SALVAGED CARD READER AND ASSOCIATED EQUIPMENT; EXTEND CONDUITS AS NECESSARY FOR COMPLETE INSTALLATION
22. PATCH AND REPAIR GYPSUM BOARD AFTER DOOR HEADER AND FRAME INSTALLATION
23. OMITTED
24. PORTABLE SHOWER CHAIR
25. FOLDING BENCH

GENERAL NOTES

1. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
2. ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR OR SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING UPON DISCOVERY.
4. ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. SEE SHEET A102 FOR DIMENSIONS FLOOR PLAN AND WALL TYPES FLOOR PLAN.
7. PROVIDE SOLID BLOCKING IN THE WALLS AT ALL DOOR STOPS, VISUAL DISPLAY BOARDS, TOILET COMPARTMENTS, LAVATORY SUPPORTS, WALL HUNG CABINETS, AND AT ALL OTHER EQUIPMENT AND ACCESSORY LOCATIONS, SEE A/A601.
8. SEE SHEET A601 FOR ELEVATIONS OF VISUAL DISPLAY BOARDS.
9. INSULATE INTERIOR WALLS AND CEILINGS ABOVE STAKE PRESIDENT 101, HIGH COUNCIL 102, INTERVIEW 103, CLERK 104, WOMEN 111, MEN 112, AND VESTIBULE 113.
10. PROVIDE A LAMINATED VAPOR RETARDER UNDER CONCRETE SLAB, SEE E/A502.
11. PROVIDE 5/8" GYPSUM BOARD HORIZONTAL ON 2x4 CONTINUOUS LEDGER AT 10'-0" O.C. VERTICAL MAXIMUM IN ALL VERTICAL SHAFTS.
12. SEE SHEET A602 FOR DOOR AND WINDOW SCHEDULE.
13. REMOVE ALL VISUAL DISPLAY BOARDS IN PREPARATION OF PAINTING ALL GYPSUM BOARD THROUGHOUT THE BUILDING.
14. REMOVE ALL SISAL THROUGHOUT THE BUILDING IN PREPARATION FOR INSTALLATION OF NEW.

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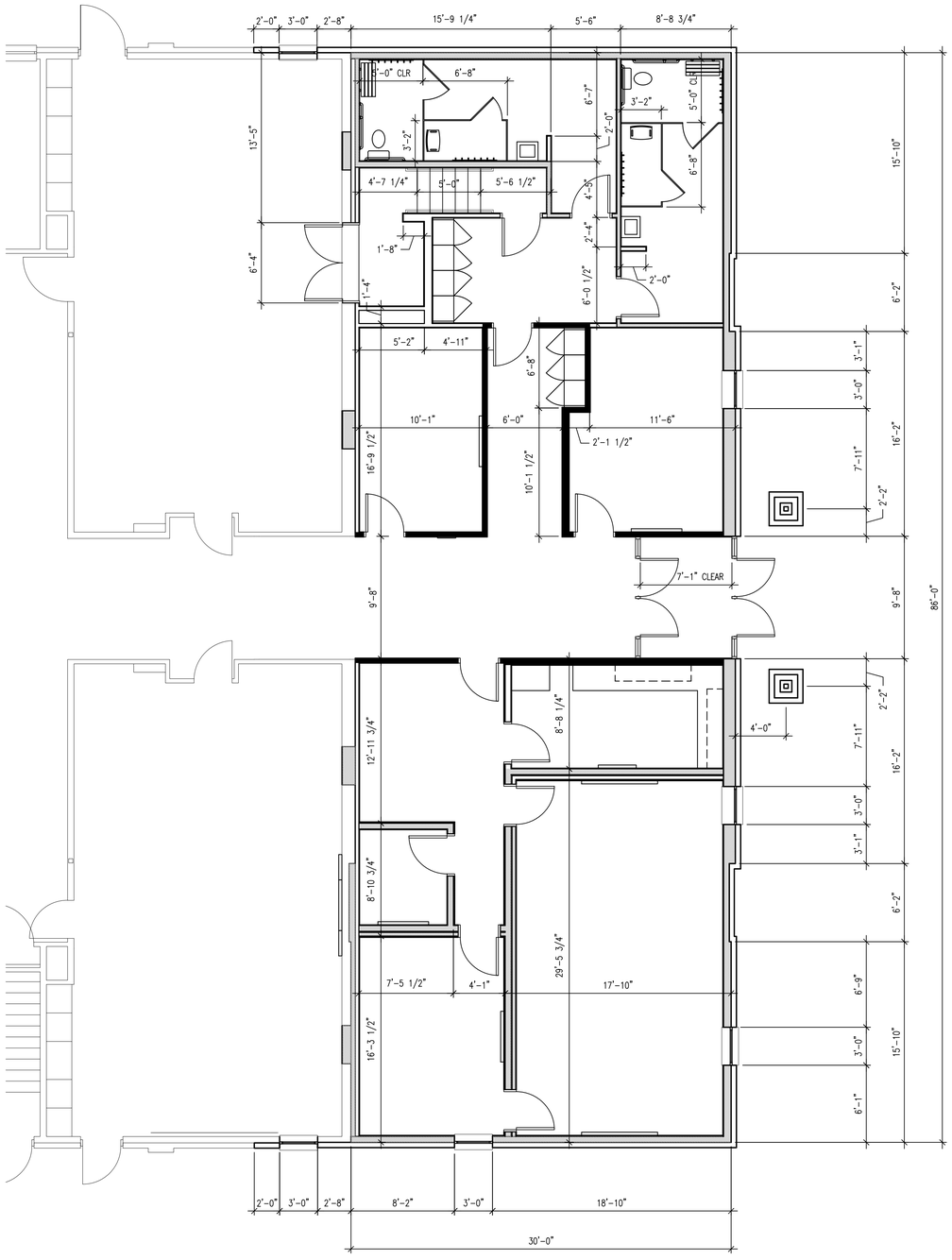
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Sheet Title
DEMOLITION FLOOR PLAN AND NEW FLOOR PLAN

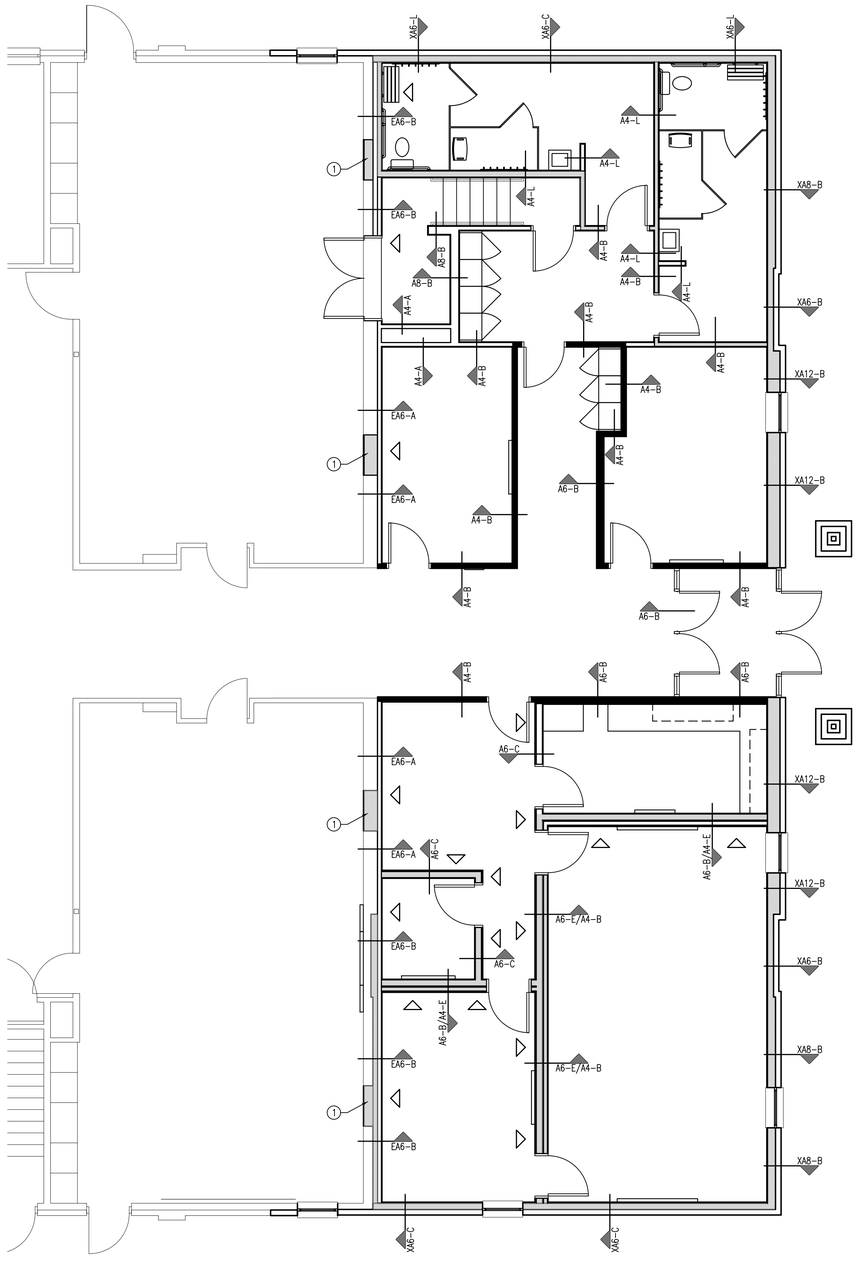
Sheet
A101



A DIMENSION FLOOR PLAN

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

NORTH



B WALL TYPES FLOOR PLAN

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

NORTH

KEYED NOTES

1. INFILL EXISTING WINDOW OPENING WITH NEW 2x4 STUDS, NEW 5/8" GYPSUM BOARD AND NEW FINISHES TO MATCH EXISTING

LEGEND

DENOTES (2) LAYERS OF GYPSUM BOARD SIDE OF THE WALL

GENERAL NOTES

1. ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
2. SEE SHEET A111 FOR WALL TYPES DETAILS
3. ALL DIMENSIONS ARE FROM FACE OF STUD UNLESS NOTED OTHERWISE

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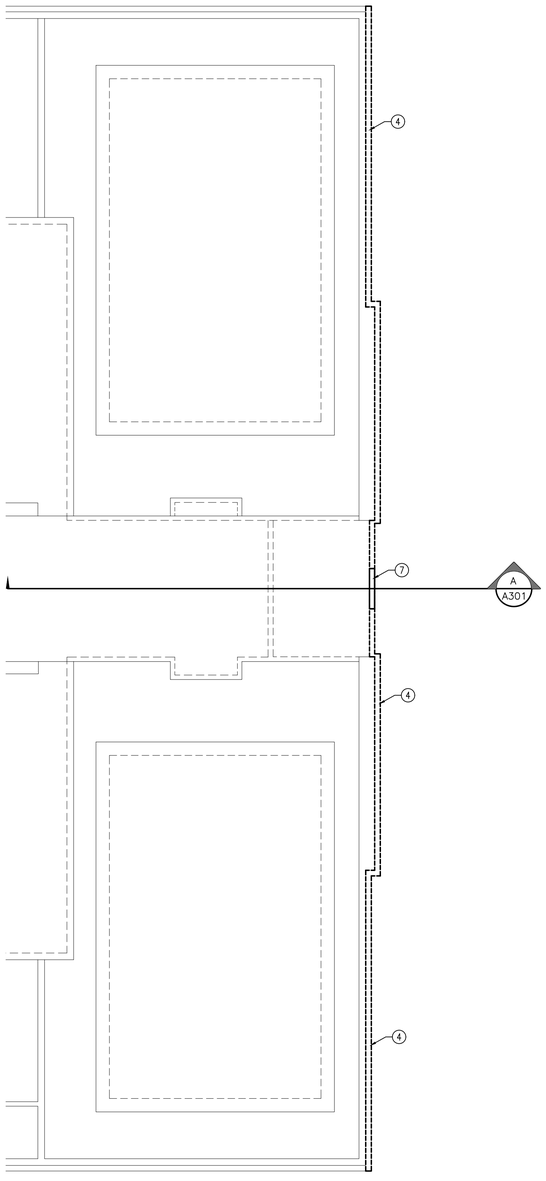
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DIMENSION FLOOR PLAN AND WALL TYPES FLOOR PLAN

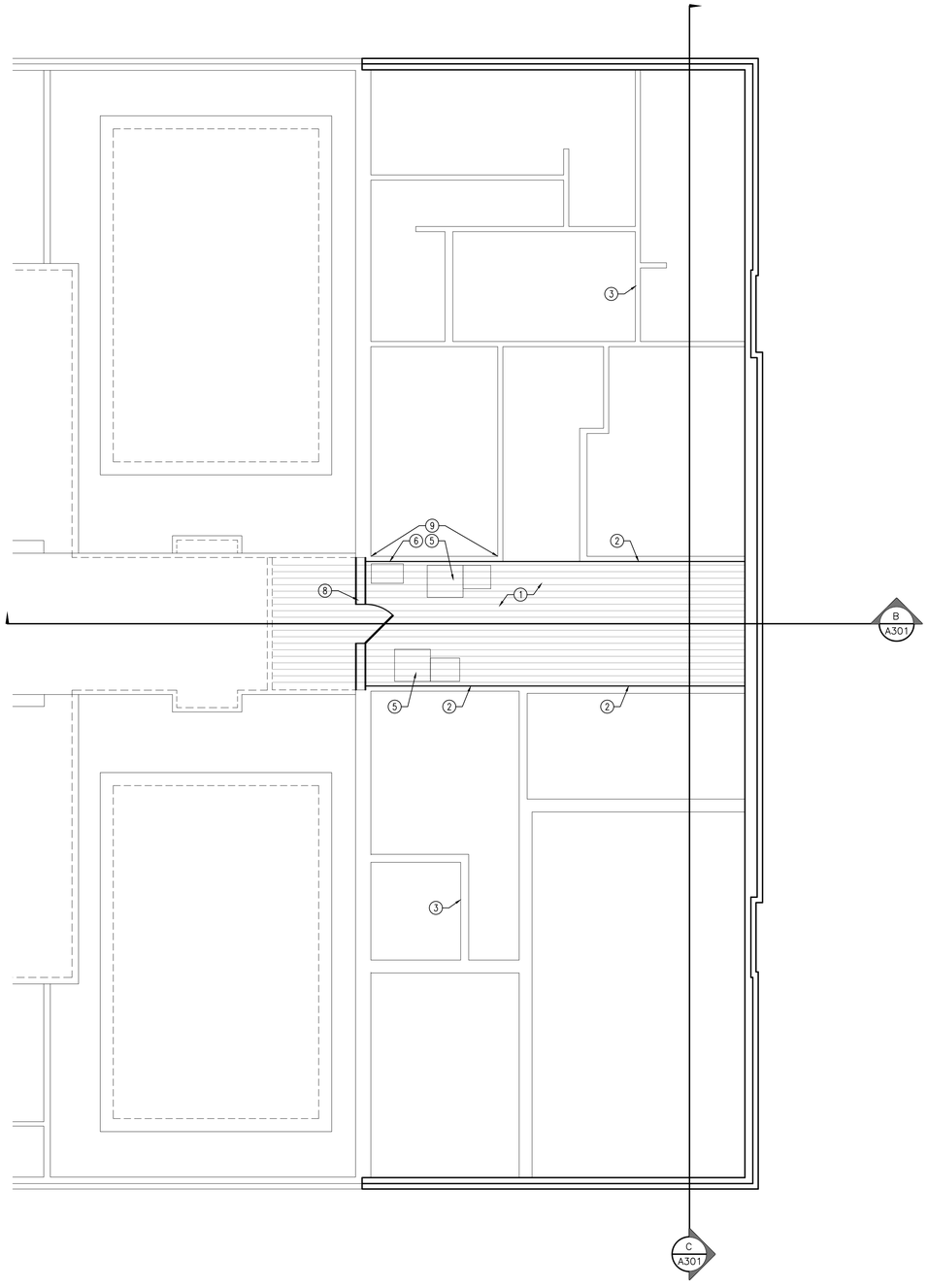
Sheet
A102



A DEMOLITION PLATFORM PLAN

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

NORTH



B EQUIPMENT PLATFORM PLAN

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

NORTH

KEYED NOTES

1. 3/4" SHEATHING; TYPICAL; PAINTED
2. INSTALL HANDRAIL EXCEPT WHERE THERE IS DUCTWORK; SEE F/A502
3. WALL FRAMING BELOW; TYPICAL
4. REMOVE EXISTING BRICK VENEER AND ASSOCIATED MATERIALS; SHOWN DASHED
5. NEW FURNACE; SEE MECHANICAL
6. NEW WATER HEATER; SEE PLUMBING
7. CUT IN NEW 3'-0" x 7'-0" OPENING FOR MEZZANINE ACCESS
8. PROVIDE NEW DRAFTSTOP DOOR; MATCH EXISTING; SEE S/A501
9. TOP OF WALL TO BE 6'-0" ABOVE MEZZANINE.

GENERAL NOTES

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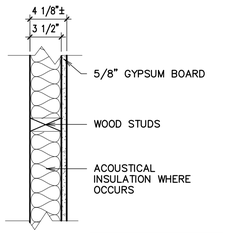
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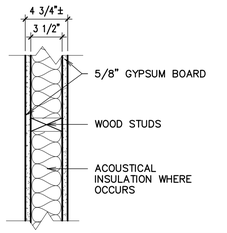
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DEMOLITION EQUIPMENT PLATFORM PLAN AND NEW EQUIPMENT PLATFORM PLAN

Sheet
A103



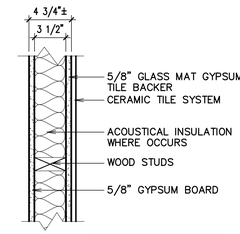
A4–A

NOTE: MIN STC RATING = 38 WHERE ACOUSTICAL SEPARATION IS REQUIRED



A4–B

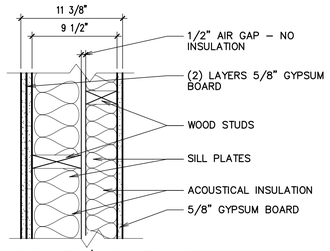
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A4–L

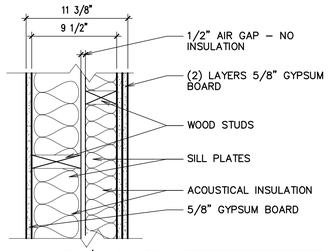
CERAMIC TILE

NOTE: MIN STC RATING = 39 WHERE ACOUSTICAL SEPARATION IS REQUIRED



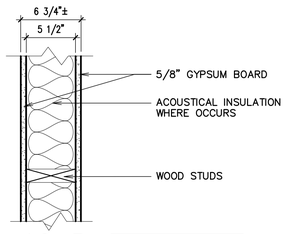
A6–E/A4–B

NOTE: MIN STC RATING = 53 WHERE ACOUSTICAL SEPARATION IS REQUIRED



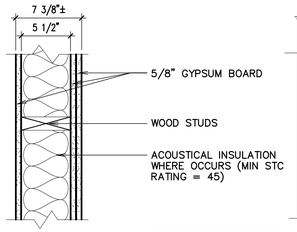
A6–B/A4–E

NOTE: MIN STC RATING = 53 WHERE ACOUSTICAL SEPARATION IS REQUIRED



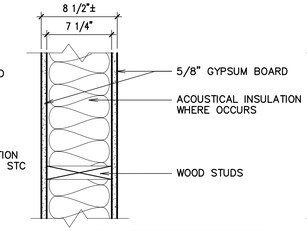
A6–B

NOTE: MIN STC RATING = 40 WHERE ACOUSTICAL SEPARATION IS REQUIRED



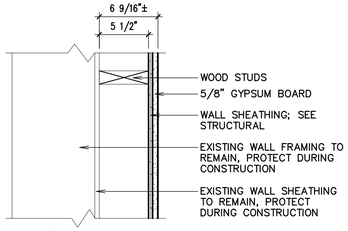
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NOTE: MIN STC RATING = 42 WHERE ACOUSTICAL SEPARATION IS REQUIRED

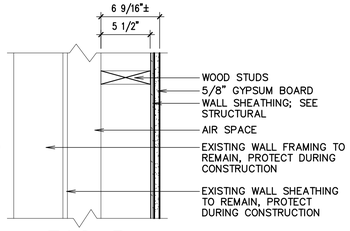


A8–B

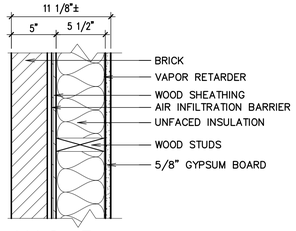
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EA6–A

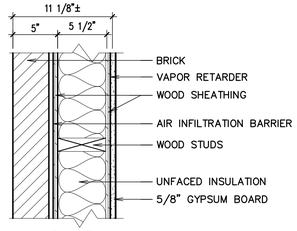


EA6–B



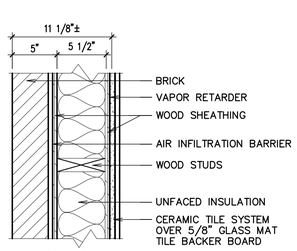
XA6–B

EXTERIOR WALL



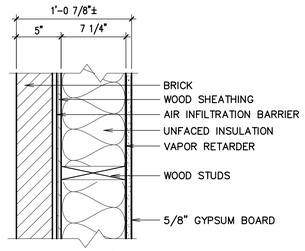
XA6–C

EXTERIOR WALL



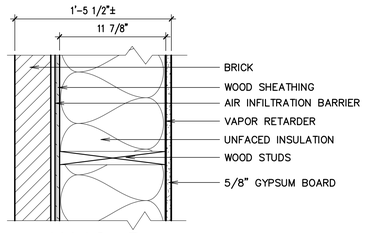
XA6–L

EXTERIOR WALL



XA8–B

EXTERIOR WALL



XA12–B

EXTERIOR WALL

KEYED NOTES

1. WOOD STUDS SHOWN IN WALL TYPES ARE GENERIC; SEE STRUCTURAL DRAWINGS FOR TYPE AND SPACING OF STUDS.
2. SEE FLOOR PLAN FOR LOCATIONS OF ACOUSTICAL BATT INSULATION.

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Syracuse UT Lake View YSA Stake
3301 West 6000 South
Roy, Utah

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions

Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
WALL TYPES

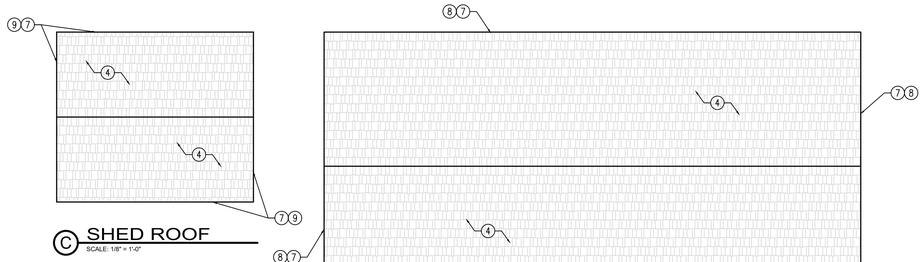
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A111

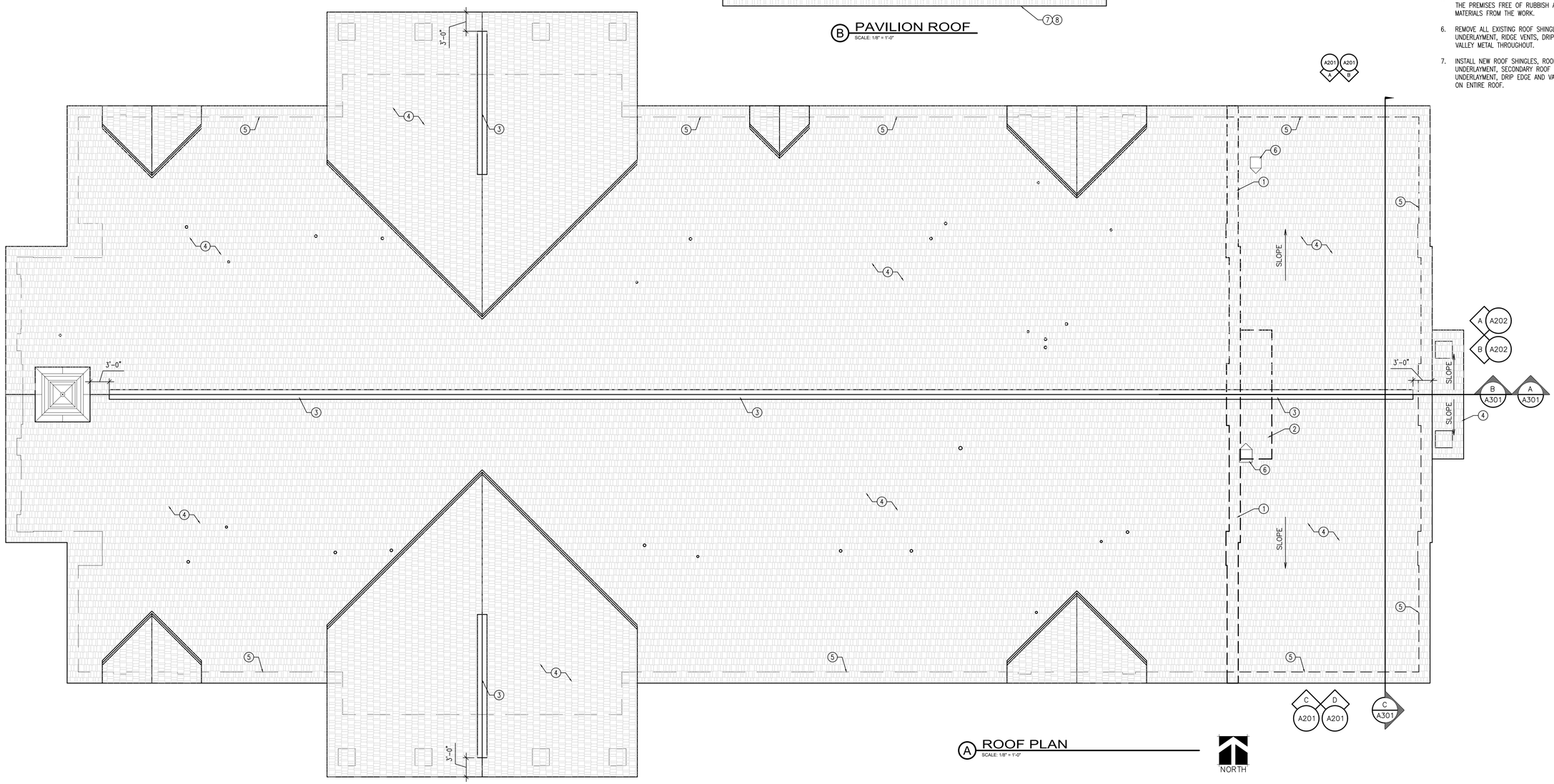
KEYED NOTES

1. REMOVE EXISTING EAVE FRAMING; SHOWN DASHED; SEE STRUCTURAL
2. REMOVE EXISTING ROOF ENTRY FRAMING AND ASSOCIATED MATERIALS; SHOWN DASHED
3. NEW PREFINISHED METAL RIDGE VENT TO MATCH EXISTING; SEE A/A122
4. NEW ASPHALT SHINGLES OVER PRIMARY ROOF UNDERLAYMENT OVER SECONDARY ROOF UNDERLAYMENT; SECONDARY ROOF UNDERLAYMENT SHALL BE INSTALLED ON ENTIRE ROOF
5. FACE OF WALL BELOW; TYPICAL
6. NEW MECHANICAL PENTHOUSE; PROVIDE ROOF CRICKET; SEE D/A122 AND MECHANICAL
7. NEW METAL DRIP EDGE
8. NEW METAL FASCIA
9. NEW METAL SOFFIT AND FASCIA

GENERAL NOTES

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5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. REMOVE ALL EXISTING ROOF SHINGLES, ROOF UNDERLAYMENT, RIDGE VENTS, DRIP EDGE AND VALLEY METAL THROUGHOUT.
7. INSTALL NEW ROOF SHINGLES, ROOF UNDERLAYMENT, SECONDARY ROOF UNDERLAYMENT, DRIP EDGE AND VALLEY METAL ON ENTIRE ROOF.





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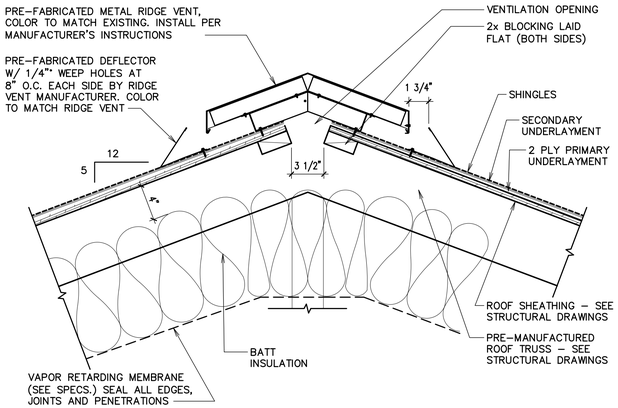
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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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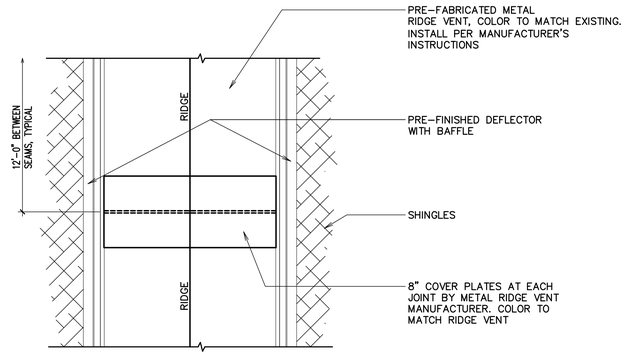
Project Number
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Sheet Title
DEMOLITION ROOF PLAN AND NEW ROOF PLAN

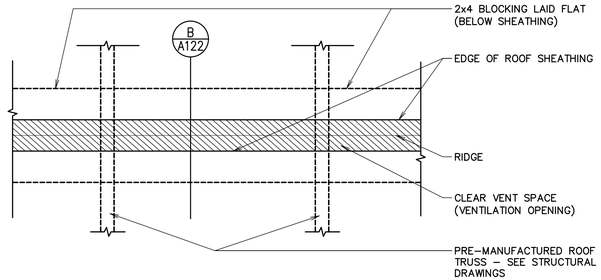
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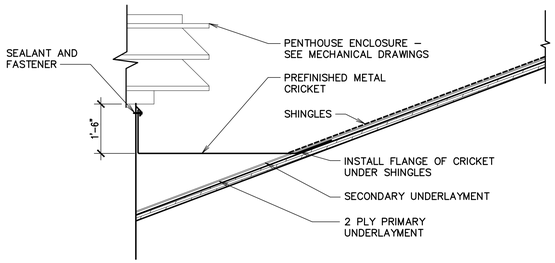
A RIDGE SECTION
1 1/2" = 1'–0"



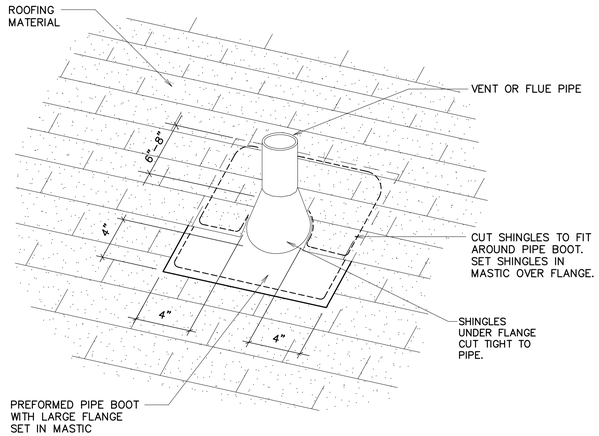
B RIDGE CAP PLAN
1 1/2" = 1'–0"



C RIDGE PLAN (BELOW RIDGE CAP)
1 1/2" = 1'–0"



D PENTHOUSE DETAIL
1 1/2" = 1'–0"



E PIPE BOOT FLANGE DETAIL
SCALE: NONE

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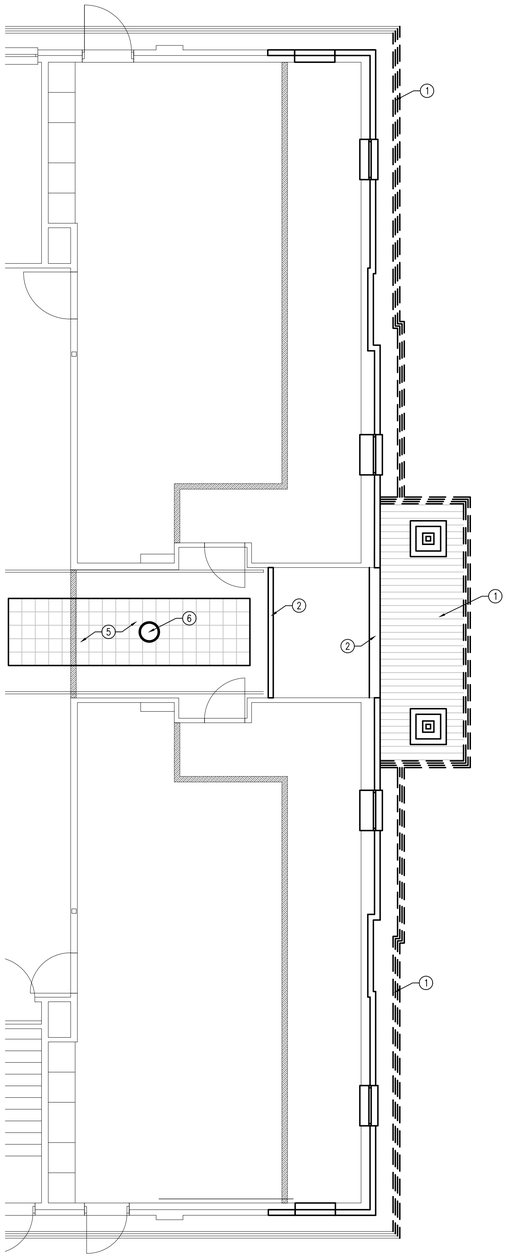
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ROOFING DETAILS

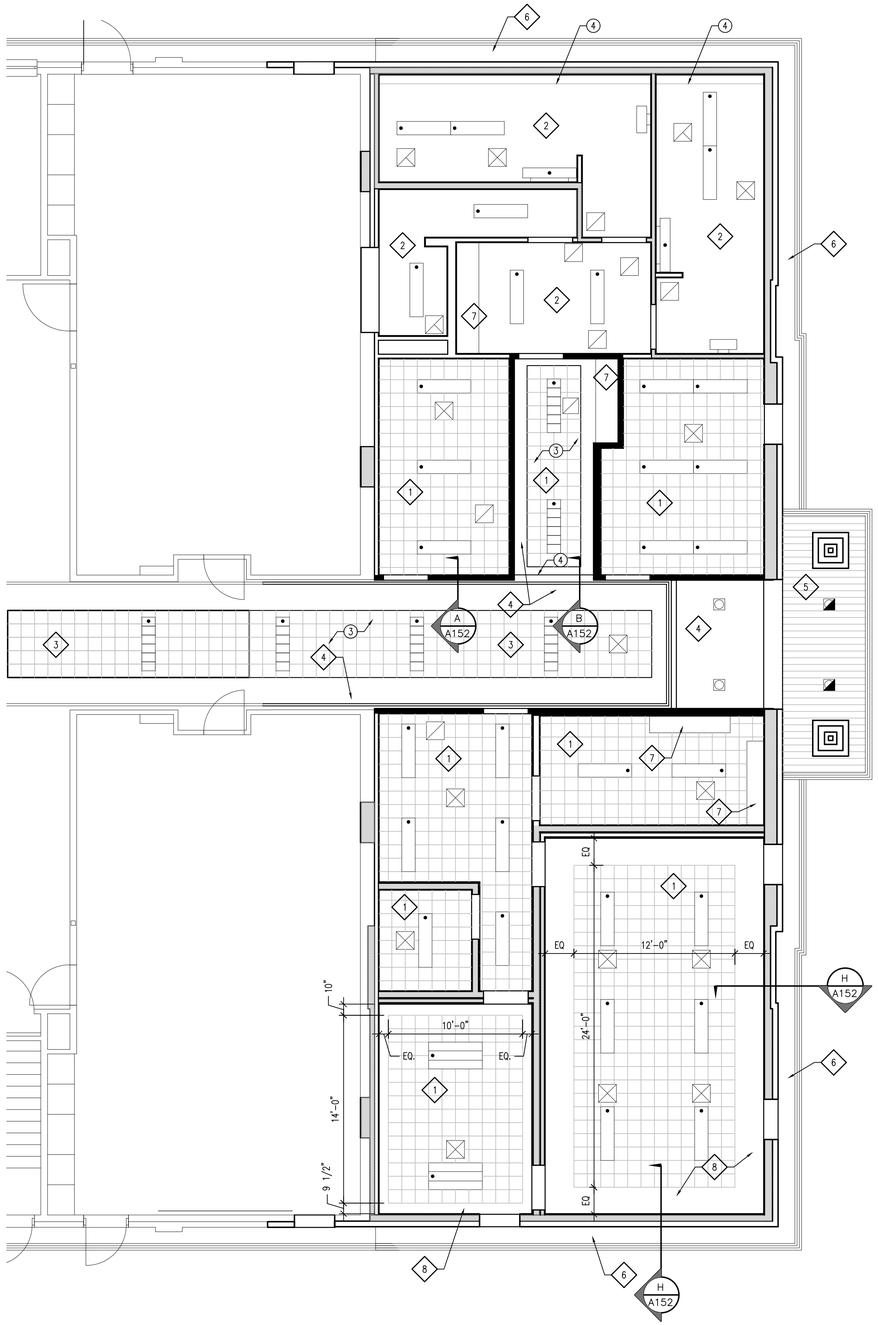
Sheet
A122



A DEMOLITION CEILING PLAN

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

NORTH



B CEILING PLAN

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

NORTH

KEYED NOTES

1. REMOVE EXISTING PRE-FINISHED METAL FASCIA AND SOFFIT, SHOWN DASHED
2. REMOVE EXISTING HEADER AND ASSOCIATED MATERIALS, SHOWN DASHED
3. PROVIDE FULL TILES IN EACH DIRECTION WITH GYPSUM BOARD BORDER AS SHOWN.
4. EXPANSION JOINT
5. REMOVE EXISTING CEILING TILE
6. REMOVE SURFACE MOUNTED LIGHT FIXTURE

CEILING FINISH SCHEDULE

1. CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD AND ACOUSTICAL TILE
2. CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD, SMOOTH TEXTURED FINISH, PAINTED
3. GYPSUM BOARD AND ACOUSTICAL TILE
4. GYPSUM BOARD, LIGHT SKIP TROWEL TEXTURE, PAINTED
5. METAL SOFFIT
6. METAL SOFFIT WITH CONTINUOUS VENT STRIP
7. WOOD FURRED DOWN OVER CABINETS
8. CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD, LIGHT ORANGE PEEL TEXTURE, PAINTED

LEGEND

LIGHT FIXTURES

MECHANICAL GRILLES

SPEAKER

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5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. WALL MOUNTED LIGHT FIXTURES THAT OCCUR AT CEILING LINE ARE NOT SHOWN.
7. SEE G/A152 FOR MOUNTING OF SPEAKERS.
8. PROVIDE SEISMIC BRACING AT ALL CEILING SUSPENSION SYSTEMS, SEE E/A152.

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Project for:
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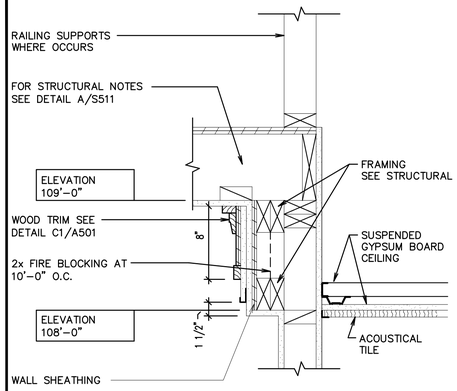
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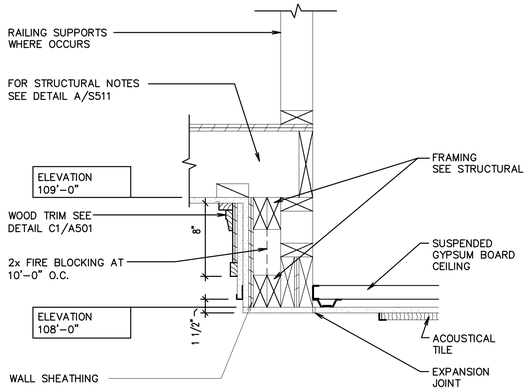
Date
May 5, 2025

Sheet Title
DEMOLITION CEILING PLAN AND NEW CEILING PLAN

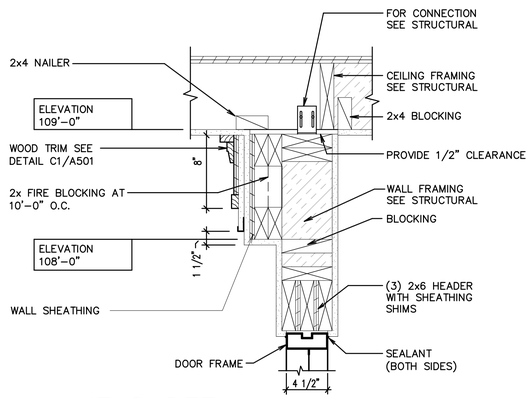
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A151



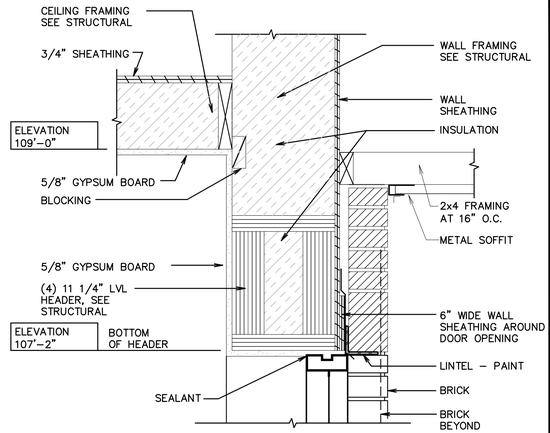
A TRIM DETAIL
1 1/2" = 1'-0"



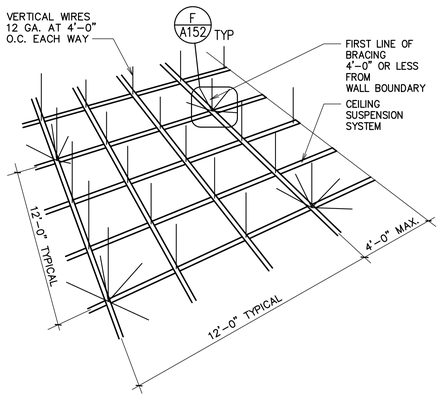
B TRIM DETAIL
1 1/2" = 1'-0"



C HEAD DETAIL
1 1/2" = 1'-0"



D HEAD DETAIL
1 1/2" = 1'-0"



NOTES:

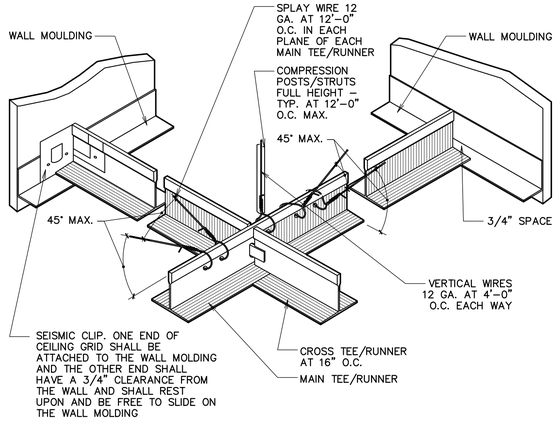
1. SPLAY WIRE BRACING AND COMPRESSION POSTS/STRUTS IS REQUIRED.

2. AREAS SMALLER THAN 1000 SQ. FT. AND WITH WALLS ON FOUR SIDES EXTENDING TO THE STRUCTURE NEED NOT HAVE SPLAY WIRE REINFORCING. BOUNDARY WALLS MUST BE BRACED TOP AND BOTTOM INDEPENDENT OF CEILING TO QUALIFY.

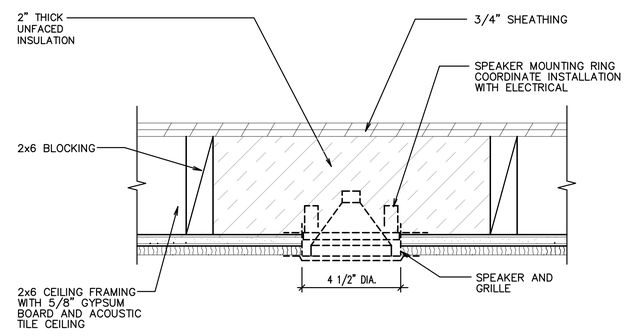
3. SEISMIC CLIP IS REQUIRED.

4. THE 2" HORIZONTAL LEG ON WALL MOLDING IS REQUIRED WITH ICC-ES EVALUATION REPORT. A 7/8" LEG WOULD BE ACCEPTABLE WITH PROPER SEISMIC CLIP.

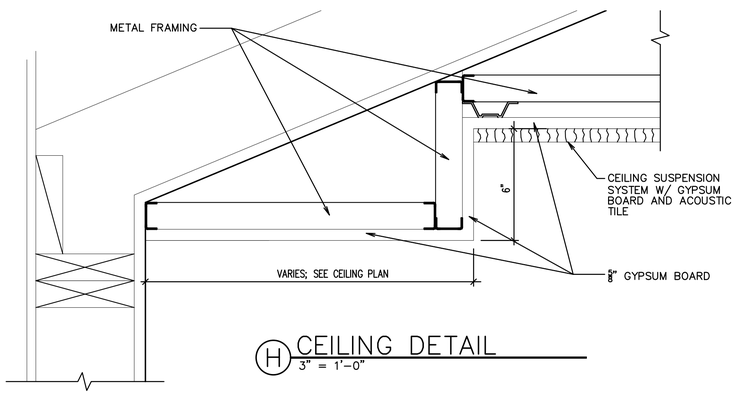
E CEILING SUSPENSION DETAIL*
N.T.S.
* FOR METAL ACOUSTICAL SUSPENSION ASSEMBLIES
(SIMILAR FOR METAL SUSPENSION SYSTEM: GYPSUM BOARD)



F CEILING SUSPENSION DETAIL
N.T.S.



G 4" SPEAKER ENCLOSURE DETAIL
3" = 1'-0"



H CEILING DETAIL
3" = 1'-0"

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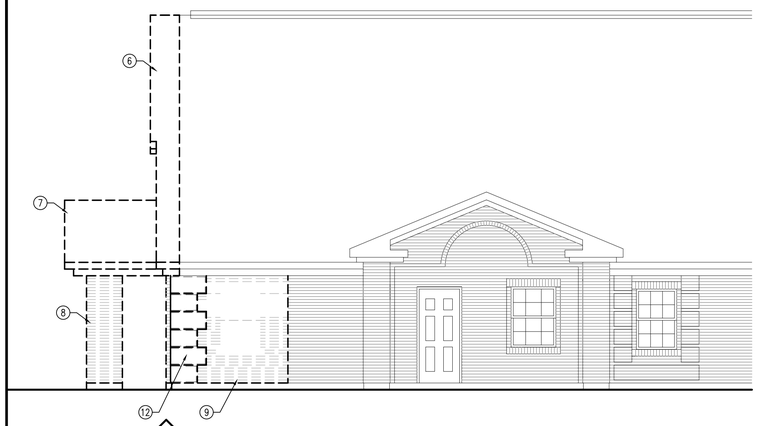
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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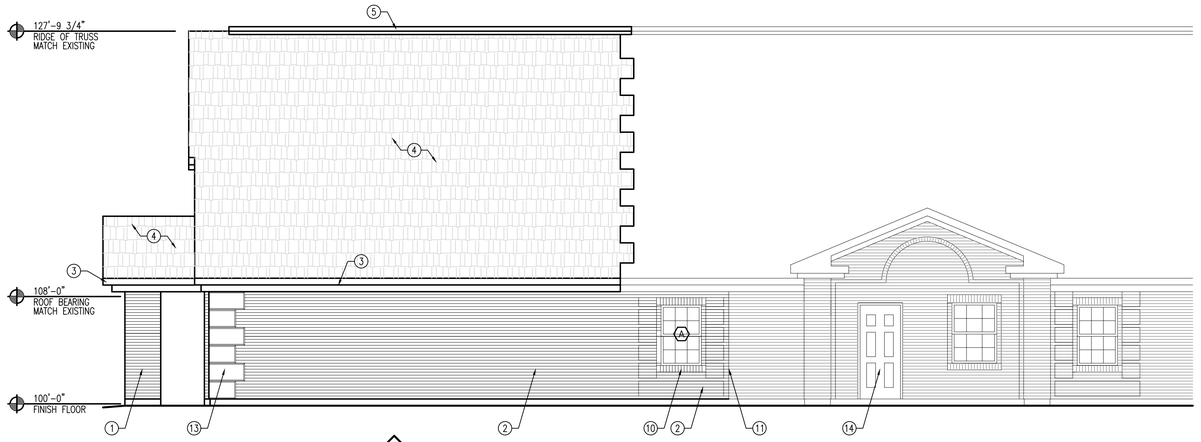
Sheet Title
CEILING DETAILS

Sheet
A152



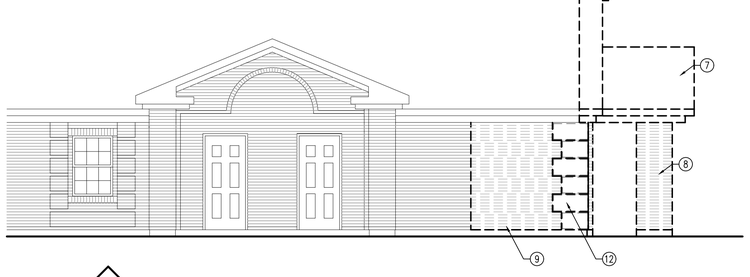
A NORTH DEMOLITION ELEVATION

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



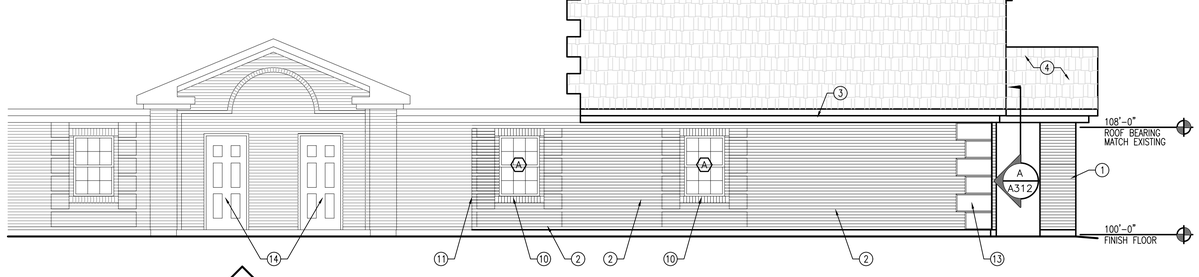
B NORTH ELEVATION

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



C SOUTH DEMOLITION ELEVATION

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



D SOUTH ELEVATION

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

KEYED NOTES

1. BRICK COLUMN TO MATCH EXISTING STYLE, TEXTURE AND COLOR
2. BRICK VENEER TO MATCH EXISTING STYLE, TEXTURE AND COLOR
3. PREFINISHED METAL SOFFIT AND FASCIA TO MATCH EXISTING
4. ASPHALT SHINGLES TO MATCH EXISTING
5. PREFINISHED METAL RIDGE VENT TO MATCH EXISTING; SEE A122
6. REMOVE EXISTING ASPHALT SHINGLES, ROOF UNDERLAYMENT AND EAVE FRAMING; SHOWN DASHED; SEE STRUCTURAL
7. REMOVE EXISTING ROOF ENTRY FRAMING AND ASSOCIATED MATERIALS; SHOWN DASHED
8. REMOVE EXISTING BRICK VENEER AND COLUMN FRAMING; SHOWN DASHED
9. REMOVE EXISTING BRICK VENEER, COORDINATE WITH FLOOR PLAN; SHOWN DASHED
10. WINDOW; SEE WINDOW SCHEDULE
11. TOOTH-IN NEW BRICK WITH EXISTING BRICK; TYPICAL
12. REMOVE EXISTING PRECAST CONCRETE QUOINS.
13. INSTALL NEW PRECAST CONCRETE QUOINS.
14. PREP AND REPAINT EXISTING METAL DOOR AND FRAME ON INTERIOR AND EXTERIOR.

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5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. SEE SHEET A602 FOR DOOR AND WINDOW SCHEDULE.

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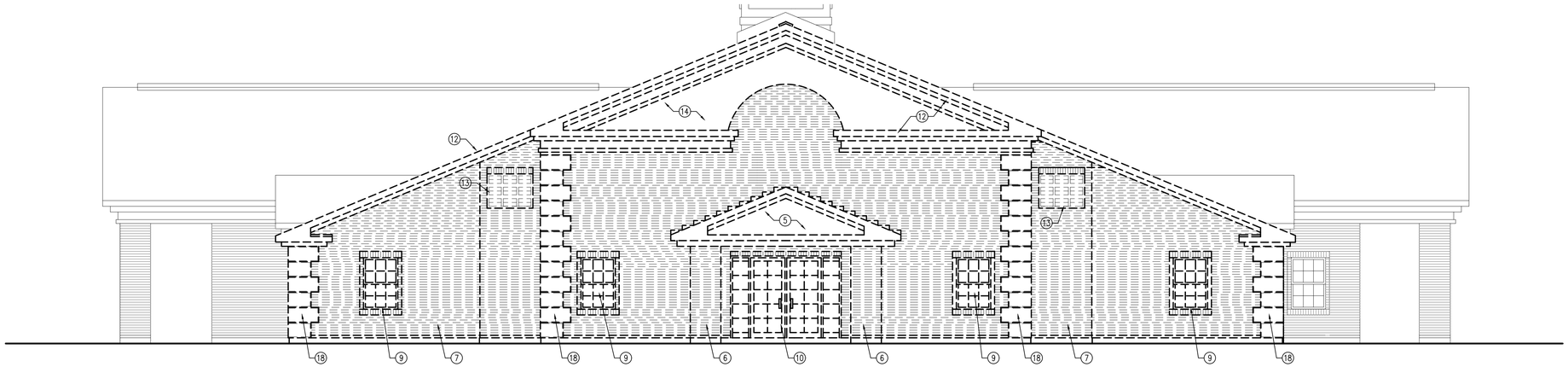
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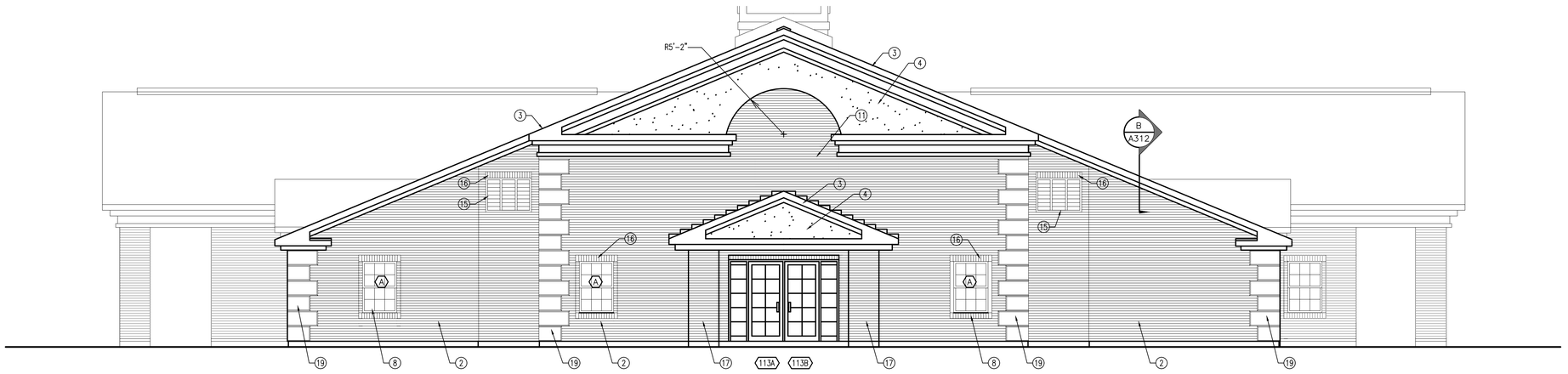
Sheet Title
DEMOLITION EXTERIOR ELEVATIONS AND NEW EXTERIOR ELEVATIONS

Sheet
A201



A EAST DEMOLITION ELEVATION

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



B EAST ELEVATION

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

KEYED NOTES

1. OMITTED
2. BRICK VENEER TO MATCH EXISTING STYLE, TEXTURE AND COLOR
3. PREFINISHED METAL SOFFIT AND FASCIA TO MATCH EXISTING
4. EIFS TO MATCH EXISTING
5. REMOVE EXISTING ROOF ENTRY FRAMING AND ASSOCIATED MATERIALS, SHOWN DASHED
6. REMOVE EXISTING BRICK VENEER AND COLUMN FRAMING; SHOWN DASHED
7. REMOVE EXISTING BRICK VENEER AND ASSOCIATED MATERIALS; COORDINATE WITH FLOOR PLAN; SHOWN DASHED
8. WINDOW, SEE WINDOW SCHEDULE
9. REMOVE EXISTING WINDOW; SHOWN DASHED
10. REMOVE EXISTING STOREFRONT DOORS AND WINDOWS; SHOWN DASHED
11. 6" x 4" x 3/8" LINTEL ANGLE x 13'-0" LONG; CENTER BELOW RIDGE
12. REMOVE EXISTING FASCIA AND SOFFIT; SHOWN DASHED
13. REMOVE EXISTING METAL LOUVER, SALVAGE FOR REUSE
14. REMOVE EXISTING EIFS
15. INSTALL SALVAGED METAL LOUVER; SEE MECHANICAL
16. SOLDIER BRICK COURSE TO MATCH EXISTING
17. BRICK COLUMN TO MATCH EXISTING STYLE, COLOR AND TEXTURE
18. REMOVE EXISTING PRECAST CONCRETE QUOINS.
19. INSTALL NEW PRECAST CONCRETE QUOINS.

GENERAL NOTES

1. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
2. ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR OR SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING UPON DISCOVERY.
4. ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. SEE SHEET A602 FOR DOOR AND WINDOW SCHEDULE.

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Syracuse UT Lake View YSA Stake
3301 West 6000 South
Roy, Utah

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12

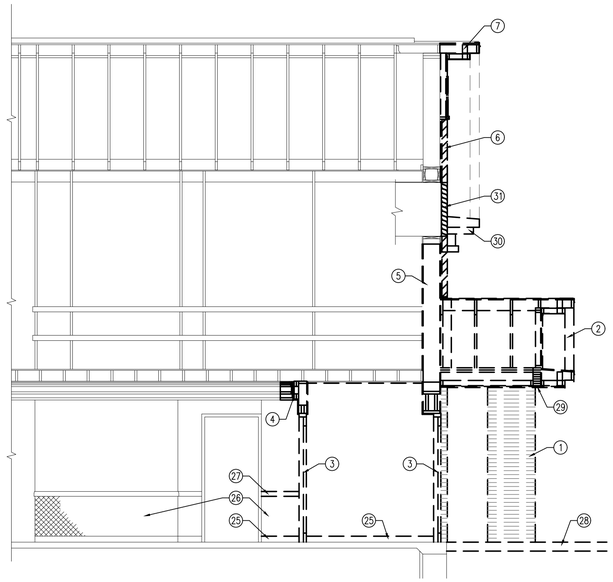
Plan Series
Stake Suite Addition

Property Number
548-6467-24020101

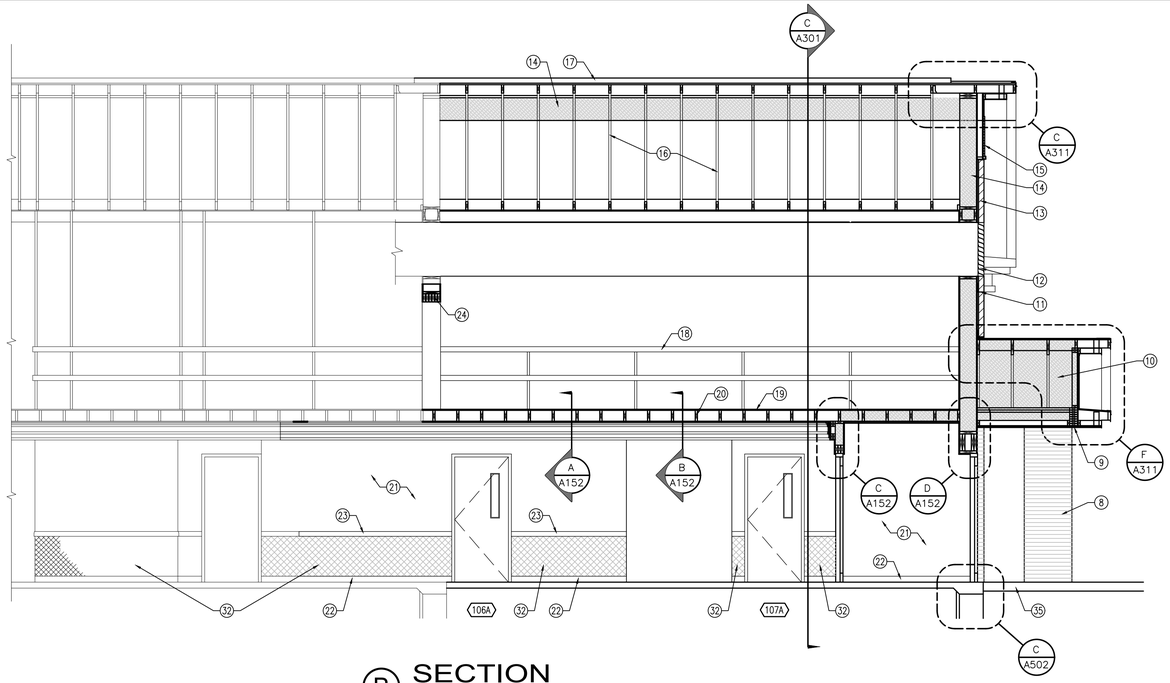
Date
May 5, 2025

Sheet Title
DEMOLITION EXTERIOR ELEVATIONS AND NEW EXTERIOR ELEVATIONS

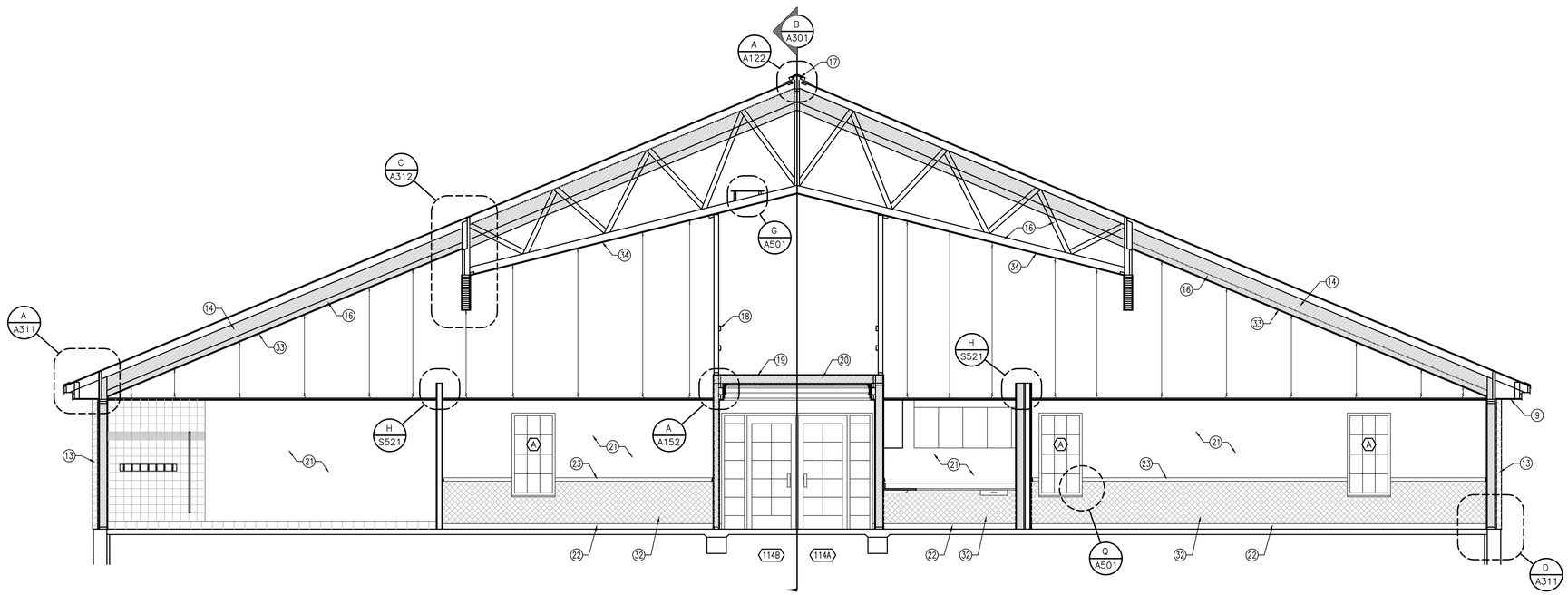
Sheet
A202



A DEMOLITION SECTION
SCALE: 1/4" = 1'-0"



B SECTION
SCALE: 1/4" = 1'-0"



C SECTION
SCALE: 1/4" = 1'-0"

KEYED NOTES

1. REMOVE EXISTING BRICK VENEER AND COLUMN FRAMING; SHOWN DASHED
2. REMOVE EXISTING ENTRY FRAMING; SHOWN DASHED
3. REMOVE EXISTING STOREFRONT DOORS; SHOWN DASHED
4. REMOVE EXISTING WOOD CEILING TRIM AND FRAMING
5. REMOVE EXISTING WALL FRAMING; SHOWN DASHED
6. REMOVE EXISTING BRICK VENEER; SHOWN DASHED
7. REMOVE EXISTING WOOD EAVE FRAMING, ASPHALT SHINGLES AND ASSOCIATED MATERIAL; SHOWN DASHED
8. NEW BRICK COLUMN TO MATCH EXISTING
9. NEW METAL SOFFIT TO MATCH EXISTING
10. FILL ENTIRE CAVITY WITH NEW INSULATION
11. 6" x 4" x 3/8" LINTEL ANGLE x 13'-0" LONG, CENTER BELOW RIDGE
12. INSTALL SALVAGED MECHANICAL LOUVER; SEE STRUCTURAL FOR FRAMING AND MECHANICAL
13. NEW BRICK VENEER TO MATCH EXISTING
14. NEW BATT INSULATION
15. NEW EIFS TO MATCH EXISTING
16. NEW PREFABRICATED WOOD TRUSSES; SEE STRUCTURAL
17. NEW PREFINISHED METAL RIDGE VENT TO MATCH EXISTING
18. NEW ATTIC RAILING; SEE F/A502
19. NEW 3/4" FLOOR SHEATHING, PAINT
20. NEW CEILING FRAMING; SEE STRUCTURAL
21. NEW PAINTED GYPSUM BOARD TO MATCH EXISTING
22. NEW CARPET BASE TO MATCH EXISTING, PROVIDED AND INSTALLED BY OWNER
23. NEW WOOD CHAIR RAIL; SEE B/A501
24. NEW WOOD HEADER; SEE STRUCTURAL
25. REMOVE EXISTING CARPET BASE; SHOWN DASHED
26. REMOVE EXISTING WALL SISAL
27. REMOVE EXISTING WOOD CHAIR RAIL
28. REMOVE EXISTING SIDEWALK; SHOWN DASHED
29. REMOVE EXISTING METAL SOFFIT; SHOWN DASHED
30. REMOVE EXISTING FASCIA AND FASCIA FRAMING; SHOWN DASHED
31. REMOVE EXISTING METAL LOUVER; SALVAGE FOR REUSE
32. NEW WALL SISAL
33. NEW 5/8" GYPSUM BOARD ON BOTTOM OF JOISTS; TYPICAL
34. NO GYPSUM BOARD ON TRUSSES BETWEEN GLULAM BEAMS
35. NEW CONCRETE ENTRY

GENERAL NOTES

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4. ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
5. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.
6. PROVIDE A LAMINATED VAPOR RETARDER UNDER CONCRETE SLAB, SEE E/A502.
7. PROVIDE 5/8" GYPSUM BOARD HORIZONTAL ON 2x4 CONTINUOUS LEDGER AT 10'-0" O.C. VERTICAL MAXIMUM IN ALL VERTICAL SHAFTS.
8. SEE SHEET A602 FOR DOOR AND WINDOW SCHEDULE.

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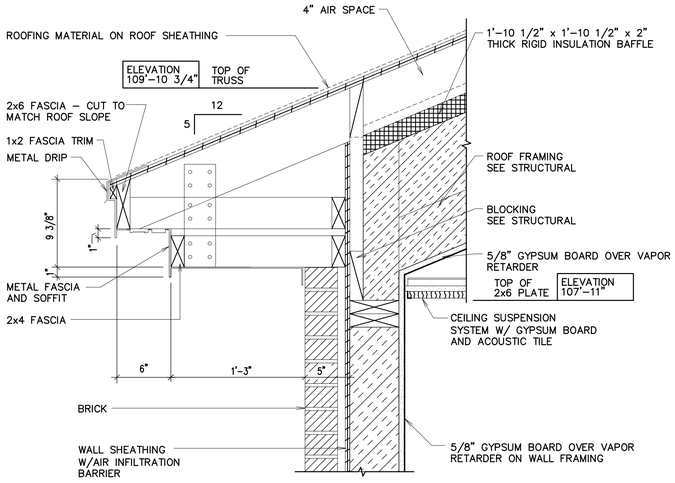
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

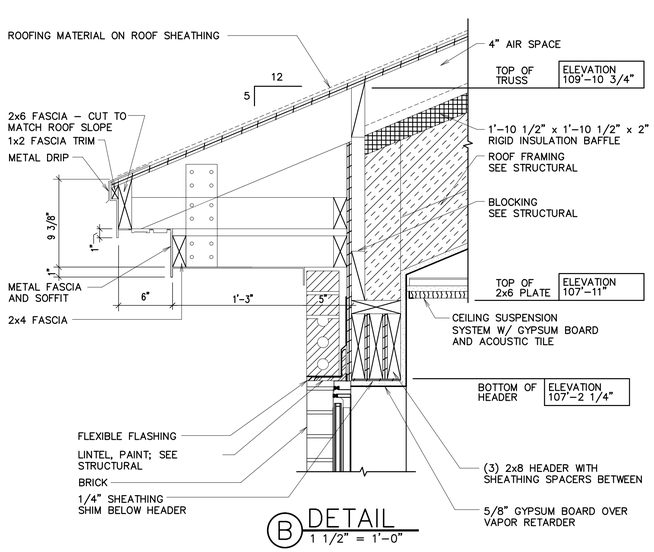
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25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
BUILDING SECTIONS

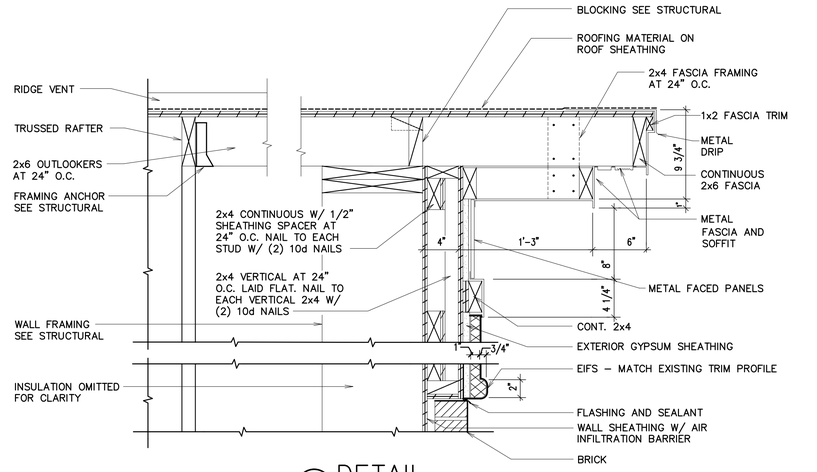
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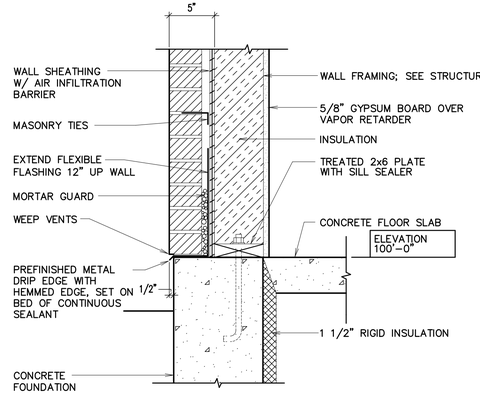
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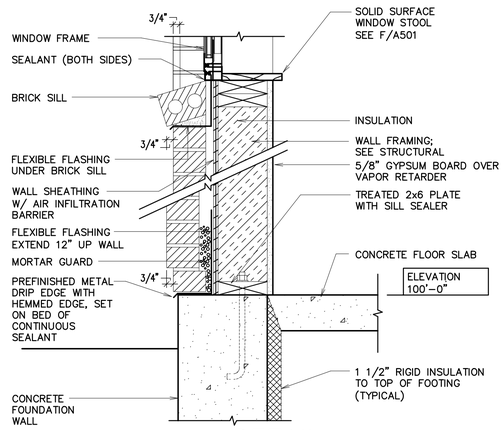
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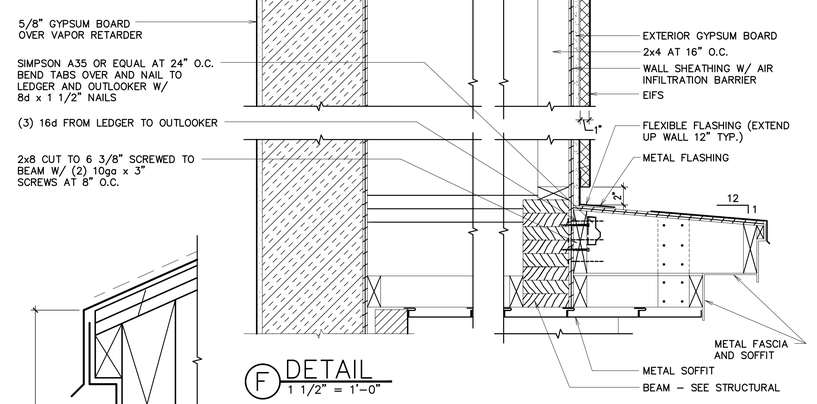
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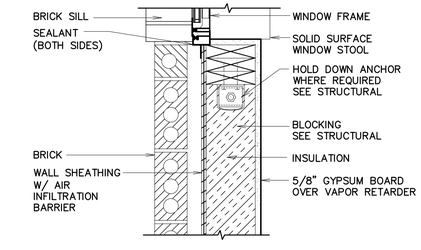
D DETAIL
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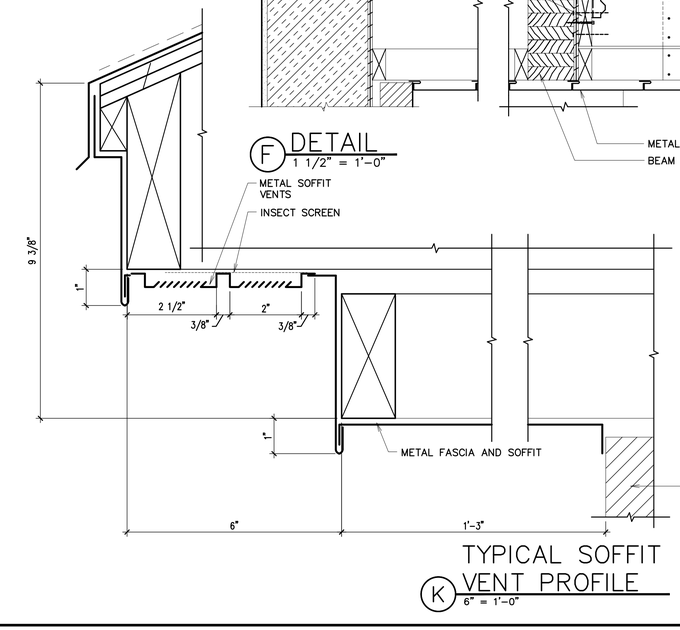
E DETAIL
1 1/2" = 1'-0"



F DETAIL
1 1/2" = 1'-0"



G DETAIL
1 1/2" = 1'-0"



TYPICAL SOFFIT VENT PROFILE
K 6" = 1'-0"

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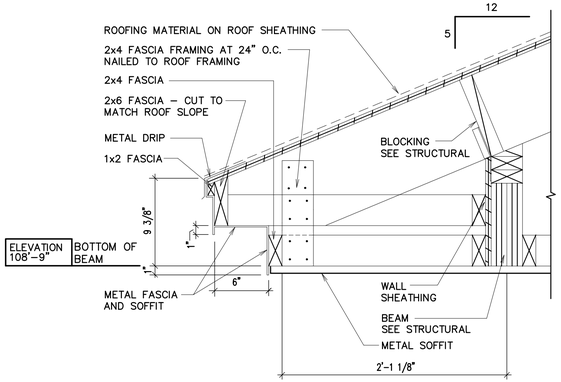
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

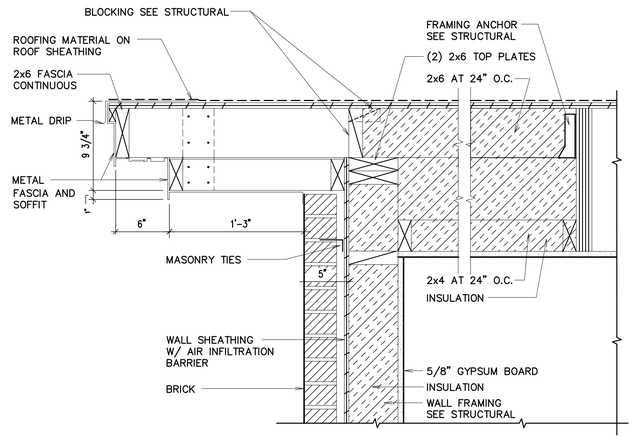
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
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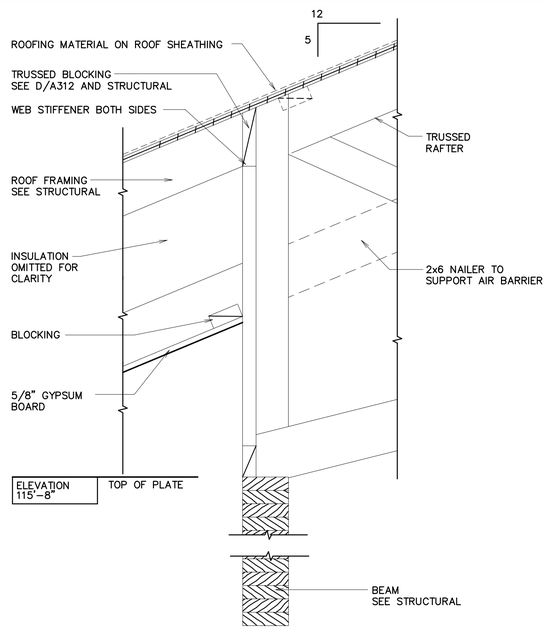
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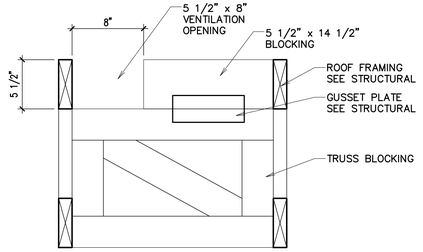
A DETAIL
1 1/2" = 1'-0"



B DETAIL
1 1/2" = 1'-0"



C DETAIL
1 1/2" = 1'-0"



D DETAIL
1 1/2" = 1'-0"

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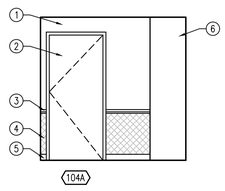
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
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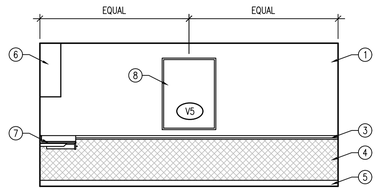
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Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
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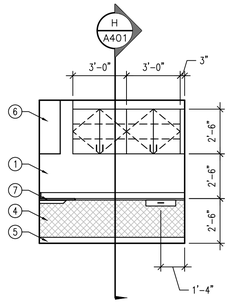
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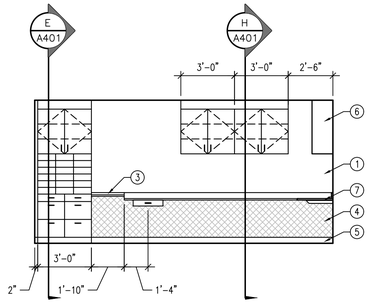
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SCALE: 1/4" = 1'-0"



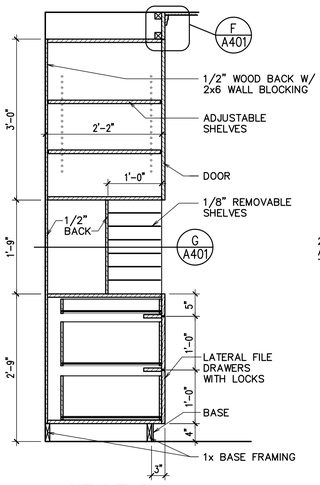
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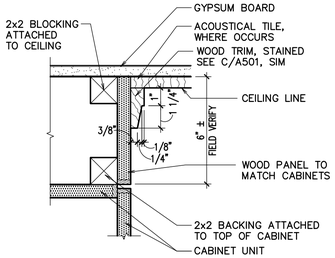
C ELEVATION
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D ELEVATION
SCALE: 1/4" = 1'-0"



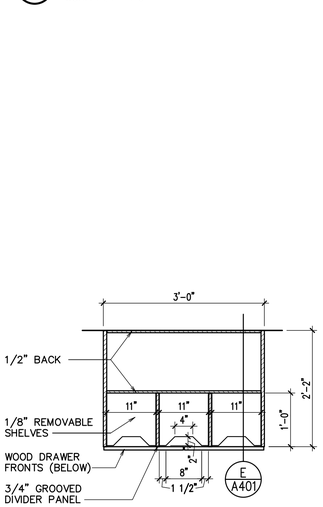
E SECTION
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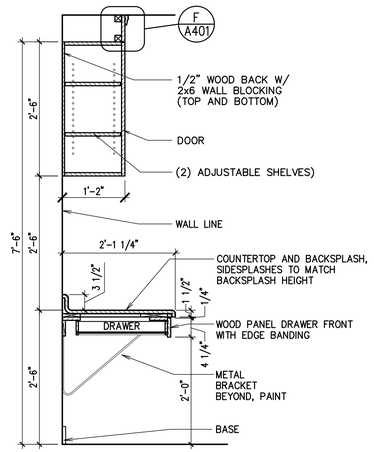
F SOFFIT DETAIL
3" = 1'-0"

KEYED NOTES

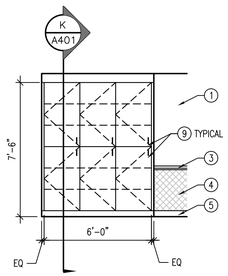
1. NEW GYPSUM BOARD, PAINT
2. NEW WOOD DOOR WITH HOLLOW METAL FRAME, SEE DOOR SCHEDULE
3. NEW WOOD CHAIR RAIL, ALIGN TOP OF CHAIR RAIL WITH TOP OF BACKSPLASH, SEE B/A501
4. NEW SISAL WALL COVERING
5. NEW CARPET BASE, SEE E/A501
6. NEW MILLWORK
7. NEW PLASTIC LAMINATE COUNTERTOP AND BACKSPLASH
8. NEW VISUAL DISPLAY BOARD, SEE A601
9. NEW LOCK
10. NEW CERAMIC WALL TILE
11. NEW CERAMIC ACCENT WALL TILE
12. NEW 6" COVED PAVER TILE BASE, SEE B/A502
13. NEW GRAB BARS, SEE S/A401
14. NEW 24" x 36" MIRROR
15. NEW WALL MOUNTED SINK, SEE PLUMBING AND S/A401
16. NEW 24" x 60" MIRROR
17. NEW TOILET STALL PARTITION
18. NEW TOILET, SEE PLUMBING AND S/A401
19. NEW 6" x 42" PAINT GRADE WOOD STRIP WITH HOOKS AT 6" O.C.
20. NEW PORTABLE SHOWER CHAIR



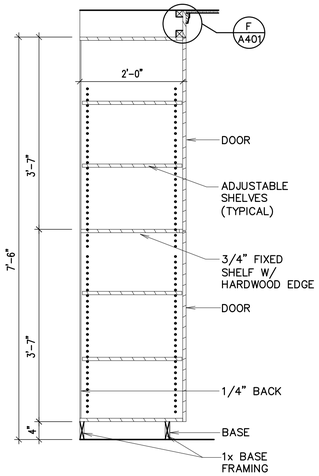
G SECTION
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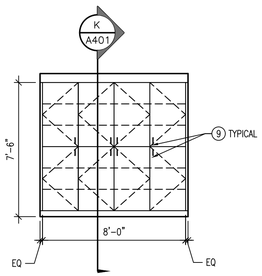
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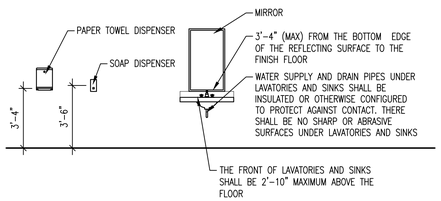
J ELEVATION
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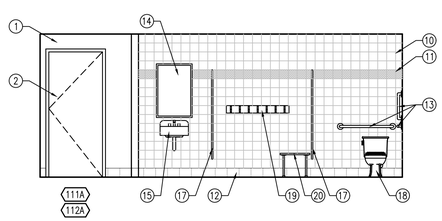


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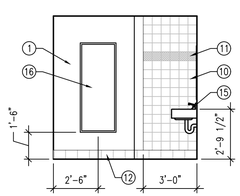


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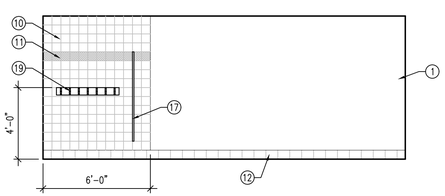




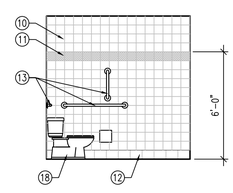
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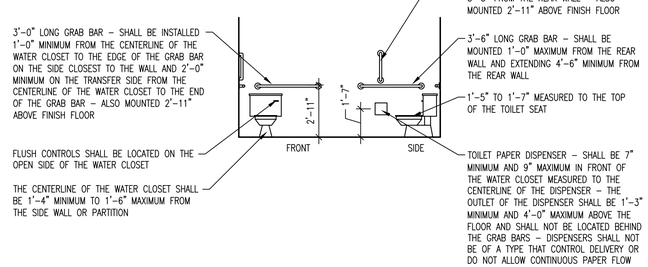
N ELEVATION
SCALE: 1/4" = 1'-0"



P ELEVATION
SCALE: 1/4" = 1'-0"



R ELEVATION
SCALE: 1/4" = 1'-0"



S TYPICAL MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

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Stamp

LICENSED ARCHITECT
PAUL ANTHONY EVANS
273770
STATE OF UTAH

Syracuse Lake View YSA Stake Suite
Syracuse UT Lake View YSA Stake
3301 West 6000 South
Roy, Utah

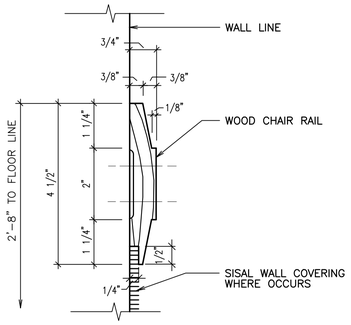
Project for:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

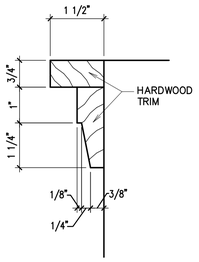
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
INTERIOR
ELEVATIONS AND
DETAILS

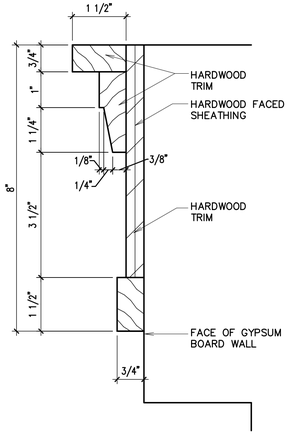
Sheet
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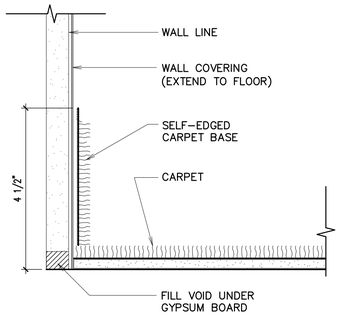
B CHAIR RAIL DETAIL
6" = 1'-0"



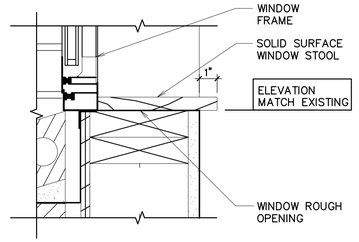
C WOOD TRIM DETAIL
6" = 1'-0"



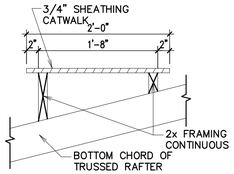
C1 TRIM DETAIL
6" = 1'-0"



E CARPET BASE DETAIL
6" = 1'-0"



F WINDOW STOOL DETAIL
3" = 1'-0"



G SECTION
1" = 1'-0"

NOTE: CONDITION AT ALL INTERIOR STUD WALLS THAT TERMINATE AT CEILING LINE – WHERE CEILING FRAMING DOES NOT OCCUR

M DETAIL
1 1/2" = 1'-0"

Q CHAIR RAIL AT WINDOW DETAIL
3/4" = 1'-0"

ELEVATION S
SCALE: 1/4" = 1'-0"

DRAFT SEPARATION WALL–DOOR DETAIL T
SCALE: 1 1/2" = 1'-0"

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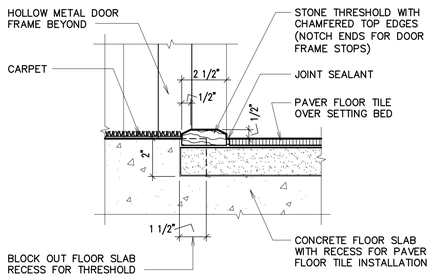
Project for:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

Revisions	Mark	Date	Description

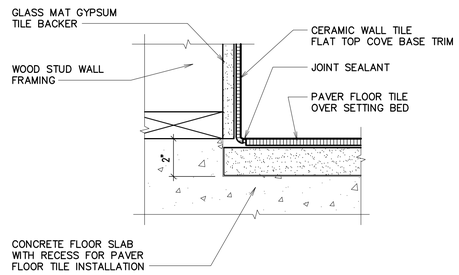
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
MISCELLANEOUS
DETAILS

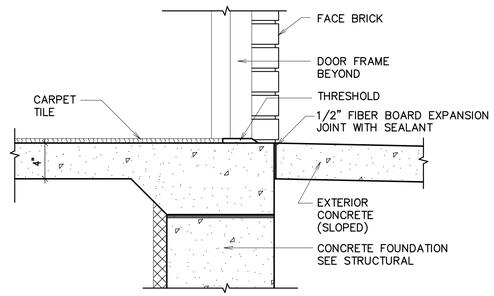
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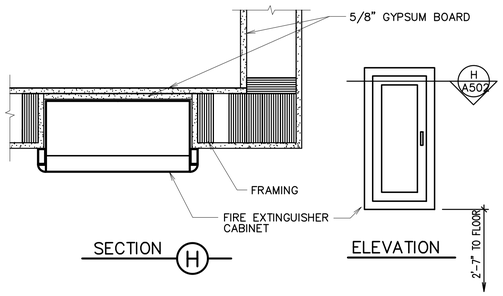
A STONE THRESHOLD DETAIL
3" = 1'-0"



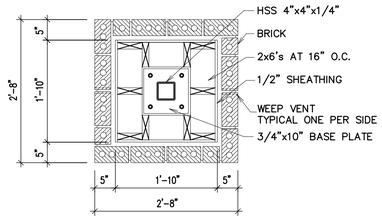
B FLUSH COVE TILE BASE DETAIL
3" = 1'-0"



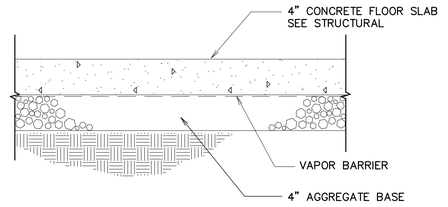
C THRESHOLD
1 1/2" = 1'-0"



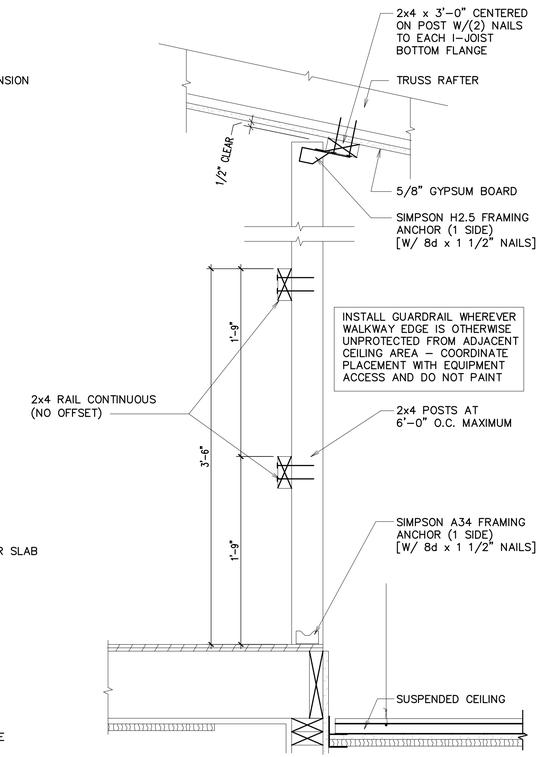
FIRE EXTINGUISHER CABINET DETAILS
G NOT TO SCALE



D SECTION
3/4" = 1'-0"



E TYPICAL VAPOR RETARDER DETAIL
1 1/2" = 1'-0"



F EQUIPMENT PLATFORM GUARD
1 1/2" = 1'-0"

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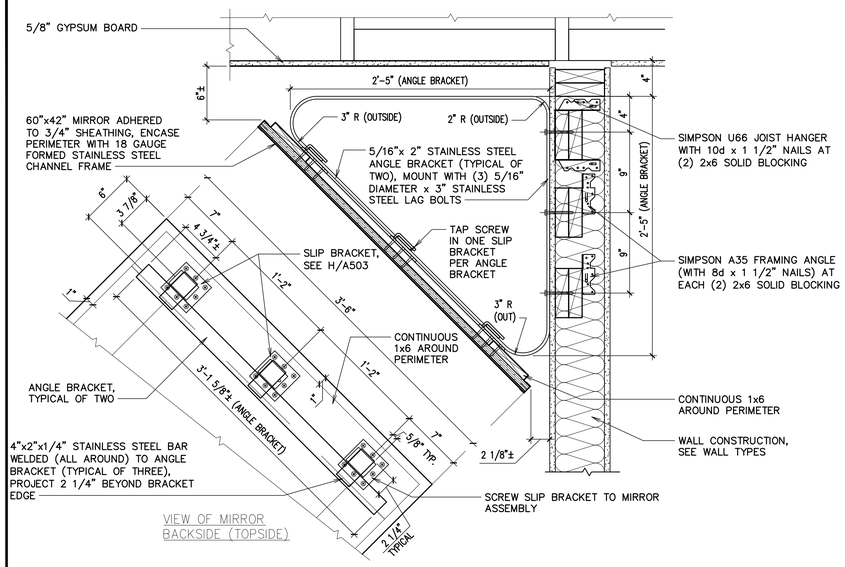
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

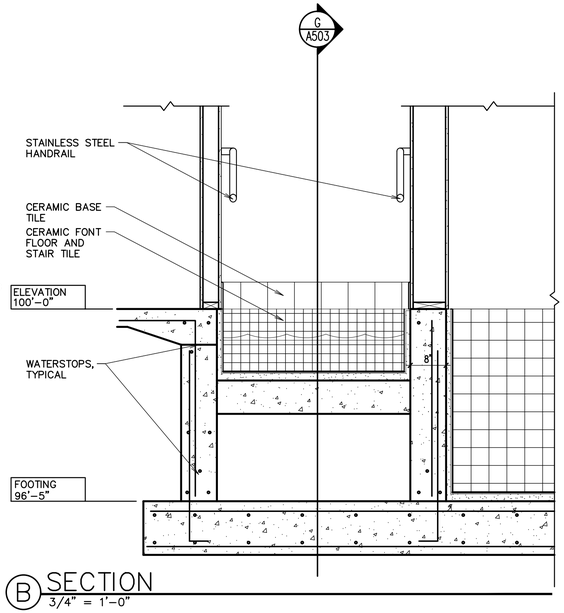
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
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Sheet Title
MISCELLANEOUS DETAILS

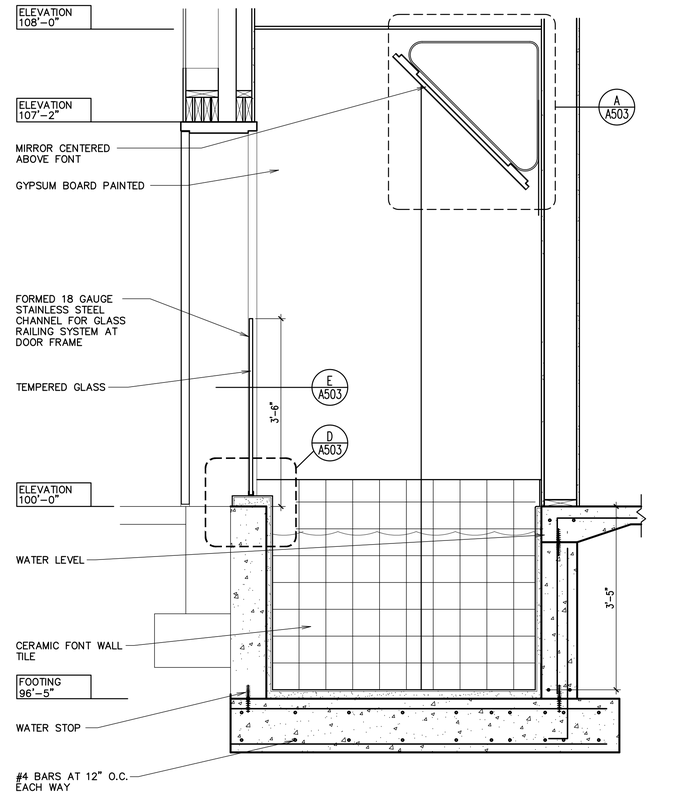
Sheet
A502



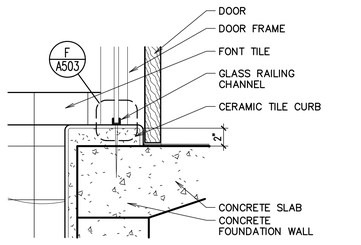
A FONT VIEWING MIRROR
1 1/2" = 1'-0"



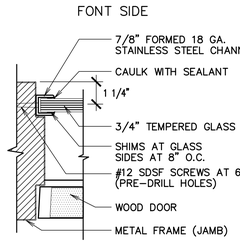
B SECTION
3/4" = 1'-0"



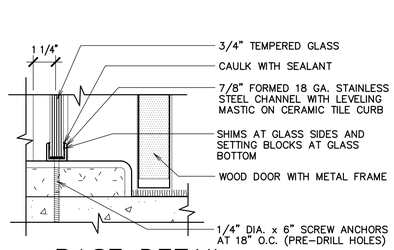
C SECTION
3/4" = 1'-0"



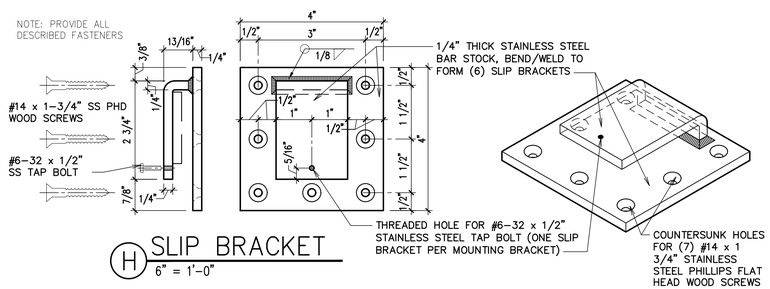
D BASE DETAIL AT TILE CURB
1 1/2" = 1'-0"



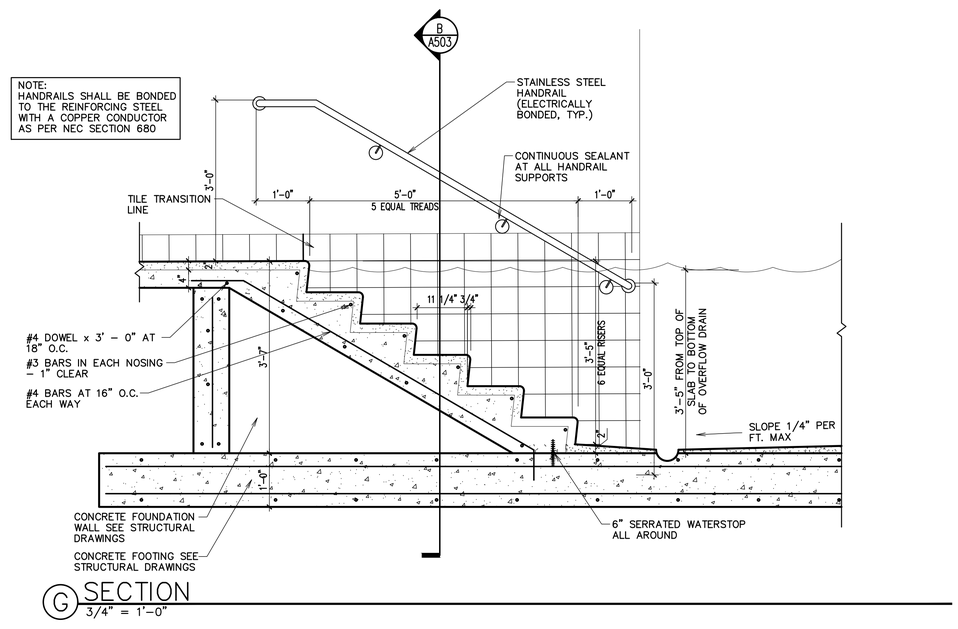
E JAMB DETAIL
3" = 1'-0"



F BASE DETAIL
3" = 1'-0"



H SLIP BRACKET
6" = 1'-0"



G SECTION
3/4" = 1'-0"

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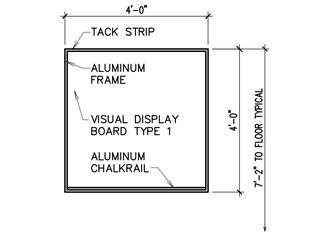
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

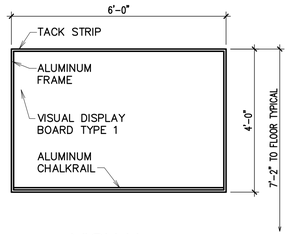
Project Number	25-12
Plan Series	Stake Suite Addition
Property Number	548-6467-24020101
Date	May 5, 2025

Sheet Title: FONT DETAILS

Sheet: A503

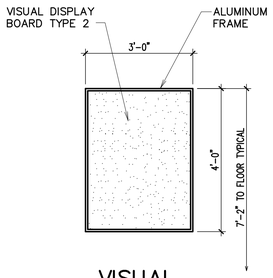


V11 VISUAL DISPLAY BOARD
SCALE: 1/2" = 1'-0"

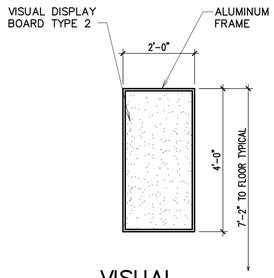


V12 VISUAL DISPLAY BOARDS
SCALE: 1/2" = 1'-0"

SCHEDULE
TYPE 1 – GLASSBOARD
TYPE 2 – TACKBOARD



V5 VISUAL DISPLAY BOARD
SCALE: 1/2"=1'-0"



V14 VISUAL DISPLAY BOARD
SCALE: 1/2"=1'-0"

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CEILING HEIGHT	SPECIAL TRIM OR EQUIPMENT
MAIN FLOOR							
101	STAKE PRESIDENT	F1	B1	W1	C1	CH1	S2
102	HIGH COUNCIL	F1	B1	W1	C1	CH1	S2 S4
103	INTERVIEW	F1	B1	W1	C1	CH1	S2
104	CLERK	F1	B1	W1	C1	CH1	S2 S3
105	WAITING	F1	B1	W1	C1	CH1	S2
106	CLASSROOM	F1	B1	W1	C1	CH1	S2
107	CLASSROOM	F1	B1	W1	C1	CH1	S2
108	HALL	F1	B1	W1	C1	CH1	S2 S3
109	FONT	F5	B3	W2	C2	CH1	
110	VESTIBULE	F5	B3	W3	C2	CH1	S3
111	WOMEN	F5	B3	W2	C2	CH1	
112	MEN	F5	B3	W2	C2	CH1	
113	VESTIBULE	F3	B1	W3	C2	CH2	
114	FOYER	F1	B1	W1	C3	CH2	S1 S2
UPPER LEVEL SPACE							
	MECHANICAL ACCESS	F4		W4	C5		

F FLOOR

F1 CARPET
F2 PAVER TILE
F3 CARPET TILE
F4 3/4" SHEATHING – PAINTED
F5 2" x 2" FLOOR TILE

B BASE

B1 CARPET – SEE E/A501
B2 PAVER TILE – SEE B/A502
B3 CERAMIC TILE

NOTE:
ALL PAINT IS COLOR LEVEL II UNLESS NOTED OTHERWISE

W WALLS

W1 WALL COVERING – SISAL WAINSCOT WITH PAINTED GYPSUM BOARD ABOVE
W2 CERAMIC TILE AND PAINTED GYPSUM BOARD – SEE INTERIOR ELEVATIONS
W3 GYPSUM BOARD – PAINTED
W4 GYPSUM BOARD – TAPED – NOT PAINTED

C CEILING

C1 CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD AND ACOUSTICAL TILE – SEE SHEET E/A152
C2 CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD – PAINTED
C3 ACOUSTIC TILE ON GYPSUM BOARD – SEE SHEET A151
C4 GYPSUM BOARD – PAINTED
C5 GYPSUM BOARD – TAPED – NOT PAINTED

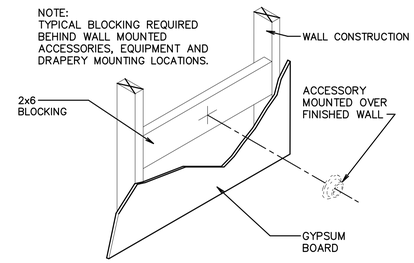
CH CEILING HEIGHT

CH1 8'-0"
CH2 MATCH EXISTING
CH3 8'-10"

S SPECIAL TRIM OR EQUIPMENT

S1 WOOD TRIM
S2 CHAIR RAIL – SEE B/A501
S3 CABINETS
S4 WALL MOUNTED TELEVISION

NOTE:
TYPICAL BLOCKING REQUIRED BEHIND WALL MOUNTED ACCESSORIES, EQUIPMENT AND DRAPERY MOUNTING LOCATIONS.



A ACCESSORY MOUNTING DETAIL
1" = 1'-0"

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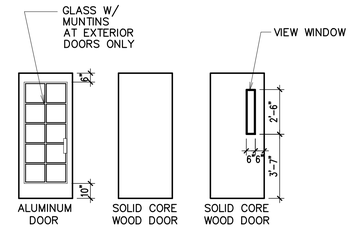
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions	Description	Date	Mark

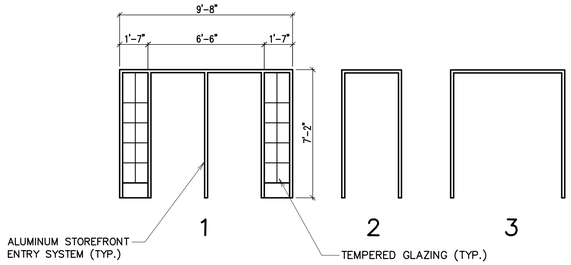
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
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Date
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Sheet Title
FINISH SCHEDULE

Sheet
A601



DOOR TYPES

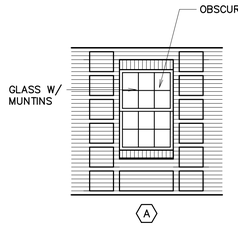


FRAME TYPES

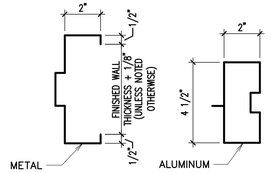
WINDOW SCHEDULE	
QUANTITY	SIZE
5	3'-0" x 5'-0"

ALL WINDOW DIMENSIONS ARE ROUGH OPENING SIZES.

3'-0" x 5'-0" CASEMENT (MATCH EXISTING)



WINDOW TYPES



FRAME PROFILES

DOOR SCHEDULE

MARK	ROOM	DOOR TYPE	DOOR PAIR	DOOR SINGLE	DOOR SIZE	DOOR GLASS	FRAME PROFILE	FRAME TYPE	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FIRE RATING	HARDWARE GROUP	KEYING	REMARKS
MAIN FLOOR														
101A	101	W		●	S2		A	2	A/A602	B/A602		26	AA15	T3 DS-1
102A	102	W		●	S2		A	2	A/A602	B/A602		26	AA16	T3 DS-1
102B	102	W		●	S2		A	2	A/A602	B/A602		26	AA15	T3 DS-1
103A	103	W		●	S2		A	2	C/A602	D/A602		26	AA16	T3 DS-1
104A	104	W		●	S2		A	2	C/A602	D/A602		26	AA16	T3 DS-1
105A	105	W		●	S2		A	2	E/A602	F/A602	20	26	AA16	DS-1
106A	106	G		●	S2	G2	A	2	E/A602	F/A602	20	20		DS-1
107A	107	G		●	S2	G2	A	2	E/A602	F/A602	20	20		DS-1
109A	109	W		●	S2		A	2	E/A602	F/A602		35	XAA1	DS-2
109B	109	W	●		S2		A	3	G/A602	H/A602		50F	XAA1	DS-1
110A	110	W		●	S2		A	2	E/A602	F/A602	20	20		T2 DS-1
111A	111	W		●	S2		A	2	E/A602	F/A602		28		DS-1
112A	112	W		●	S2		A	2	E/A602	F/A602		28		DS-1
113A	113	A		●	S2	G1	B	1	D/A152	J/A602		ST1		T1 DS-2
113B	113	A		●	S2	G1	B	1	D/A152	J/A602		ST1		T1 DS-2
114A	114	A		●	S2	G1	B	1	C/A152	K/A602		ST3		T1 DS-2
114B	114	A		●	S2	G1	B	1	C/A152	K/A602		ST3		T1 DS-2

DESCRIPTION

S SIZE

S1	3'-6" x 7'-0" x 1 3/4"
S2	3'-0" x 7'-0" x 1 3/4"

DS DOOR STOP

DS-1	WALL STOP
DS-2	CLOSER ARM STOP

G GLASS

G1	INSULATED TEMPERED (DOUBLE GLAZE)
G2	1/4" TEMPERED PLATE (SINGLE GLAZE)

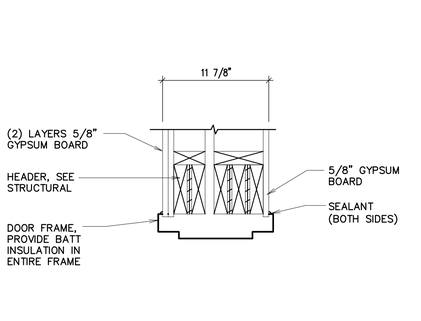
T THRESHOLD

T1	METAL THRESHOLD
T2	STONE THRESHOLD – SEE A/A502
T3	SOUND CONTROL THRESHOLD

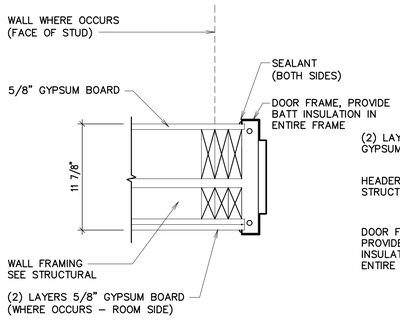
GENERAL NOTES:

DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERED TO ON THE DOOR SCHEDULE ARE REVERSED AND/OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLAN. THE GENERAL INTENT OF DETAILS SHALL IN ALL CASES BE FOLLOWED AND THE ARCHITECT CONSULTED SHOULD QUESTIONS ARISE.

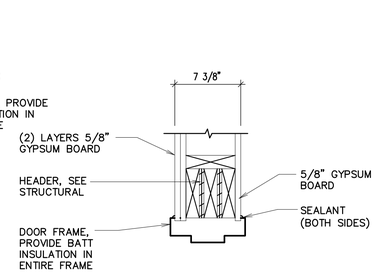
DOORS TO BE SET TO CLEAR FINISHED FLOOR SURFACE BY 1/2"



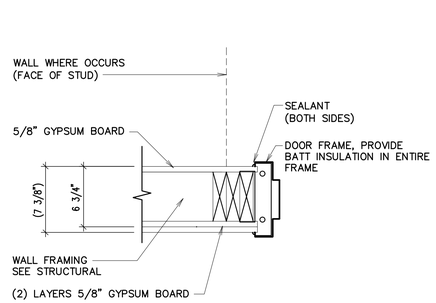
A HEAD 1 1/2" = 1'-0"



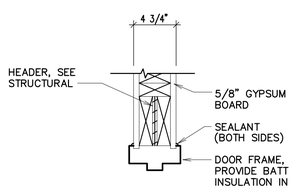
B JAMB 1 1/2" = 1'-0"



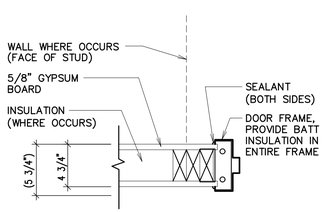
C HEAD 1 1/2" = 1'-0"



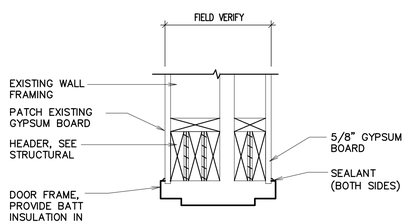
D JAMB 1 1/2" = 1'-0"



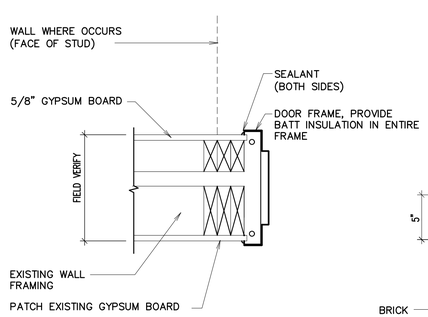
E HEAD 1 1/2" = 1'-0"



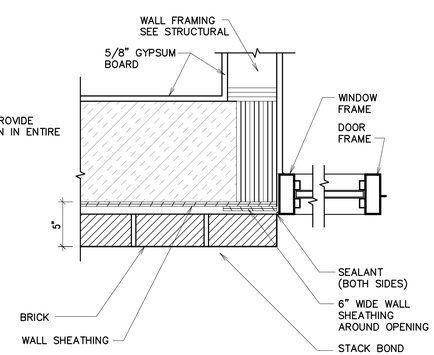
F JAMB 1 1/2" = 1'-0"



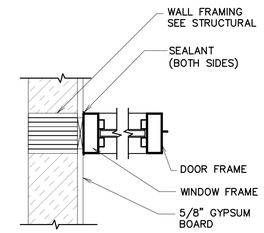
G HEAD 1 1/2" = 1'-0"



H JAMB 1 1/2" = 1'-0"



J JAMB 1 1/2" = 1'-0"



K JAMB 1 1/2" = 1'-0"

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Roy, Utah

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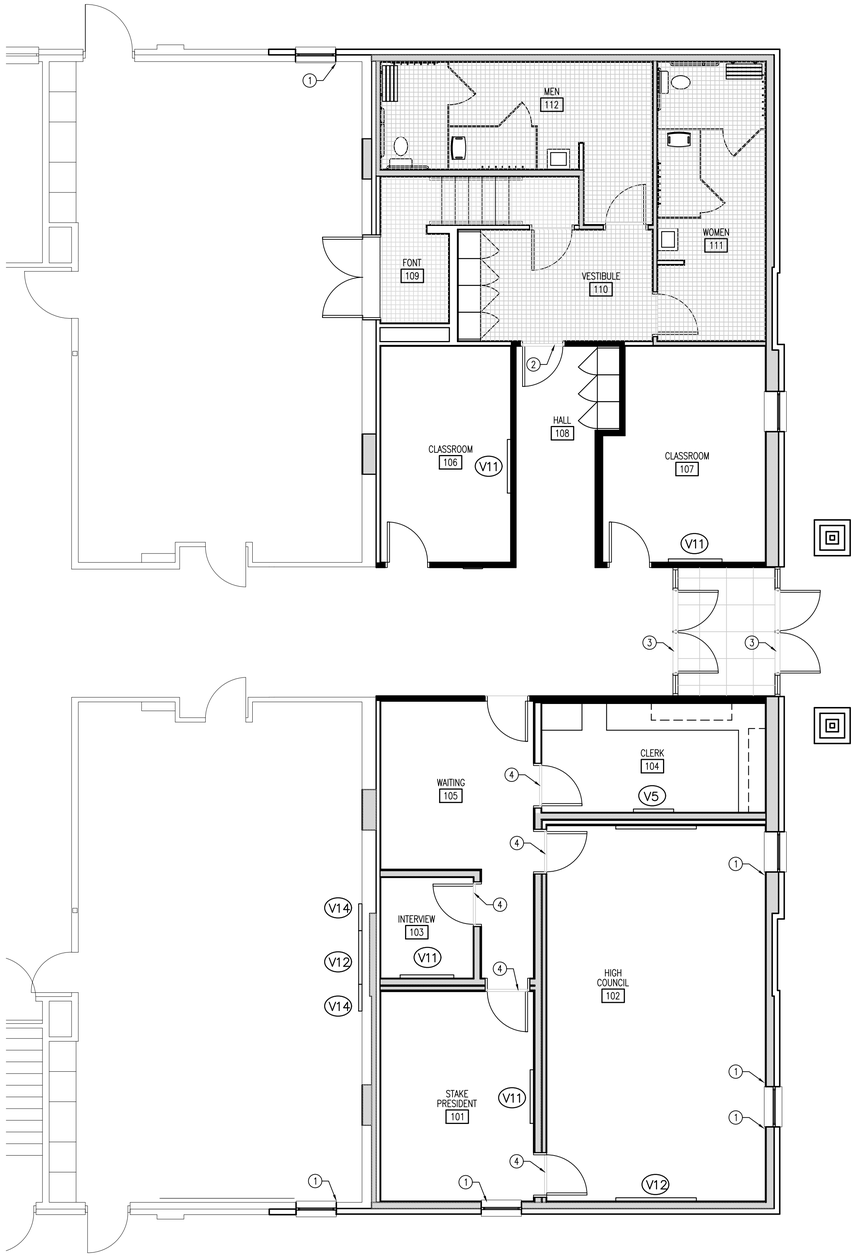
Revisions

Mark	Date	Description

Project Number 25-12
Plan Series Stake Suite Addition
Property Number 548-6467-24020101
Date May 5, 2025

Sheet Title
DOOR SCHEDULE AND WINDOW SCHEDULE

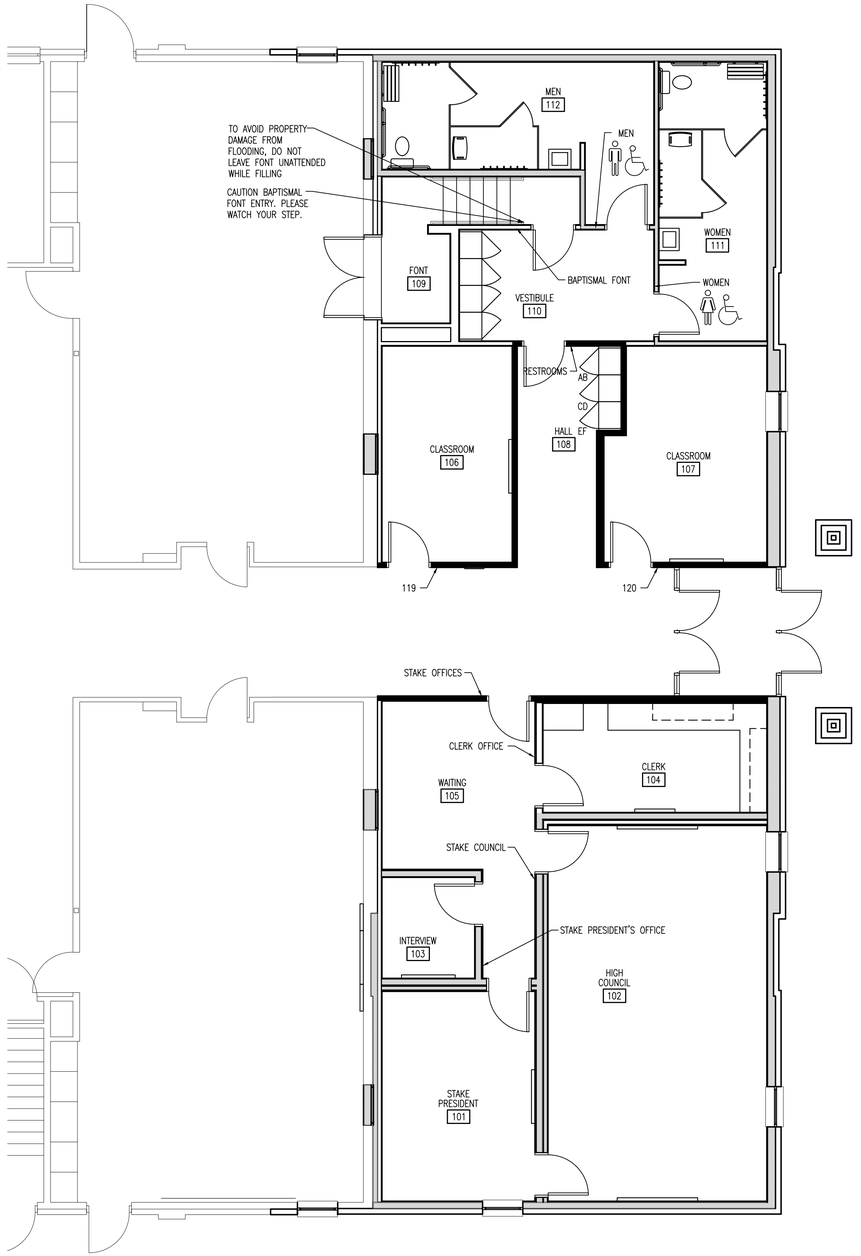
Sheet
A602



A FURNISHINGS PLAN

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

NORTH



B ROOM SIGNAGE PLAN

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

NORTH

KEYED NOTES

1. DRAPERY
2. STONE THRESHOLD, SEE A/A502
3. METAL THRESHOLD, SEE C/A502
4. SOUND THRESHOLD

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Revisions

Mark	Date	Description

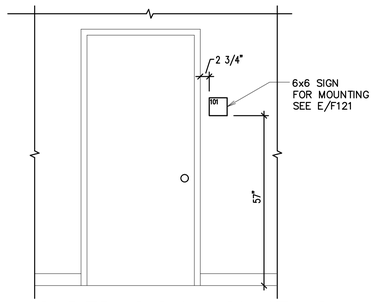
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
FURNISHINGS PLAN AND ROOM SIGNAGE LOCATION PLAN

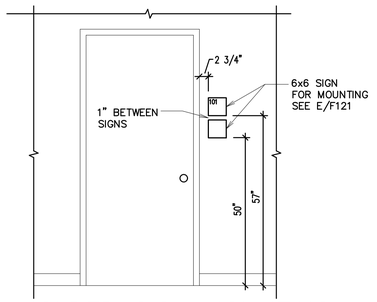
Sheet
F101

BUILDING SIGNAGE SCHEDULE

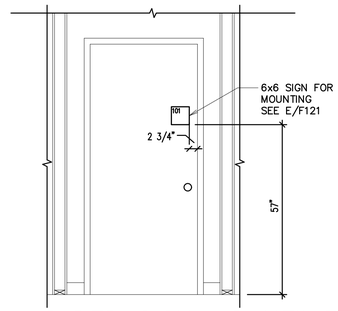
SIGNAGE ROOM NAME OR NUM.	QUANTITY	SIZE	MOUNTING
119	1	6x6	A/F121
120	1	6x6	A/F121
STAKE OFFICES	1	6x6	A/F121
CLERKS' OFFICE	1	6x6	A/F121
HIGH COUNCIL	1	6x6	A/F121
STAKE PRESIDENT'S OFFICE	1	6x6	C/F121
MEN	1	6x6	B/F121
WOMEN	1	6x6	B/F121
RESTROOM	1	6x6	B/F121
BAPTISMAL FONT	1	6x6	A/F121
TO AVOID PROPERTY DAMAGE FROM FLOODING, DO NOT LEAVE FONT UNATTENDED WHILE FILLING	1	6x6	B/F121
CAUTION BAPTISMAL FONT ENTRY. PLEASE WATCH YOUR STEP.	1	6x6	B/F121
A THRU F (FLAT SIGN ONLY)	1 EACH	2x6	D/F121



A MOLDED SIGN MOUNTING LOCATION NEXT TO DOOR
1/2" = 1'-0"

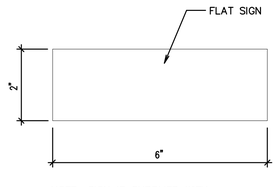


B MOLDED SIGN MOUNTING LOCATION NEXT TO DOOR
1/2" = 1'-0"



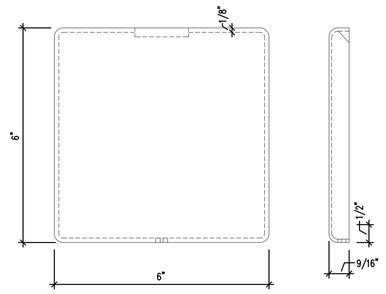
C MOLDED SIGN MOUNTING LOCATION ON DOOR
1/2" = 1'-0"

NOTE: MOLDED SIGNS MUST NOT BE MOUNTED ON DOORS UNLESS NO OTHER ALTERNATIVE IS AVAILABLE

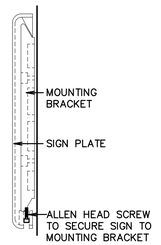


NOTE: SIGN IS SUPPLIED WITH SELF-ADHESIVE

D FLAT SIGN DETAIL
6" = 1'-0"



SIGN PLATE DETAIL



INSTALLATION DETAIL

E MOLDED SIGN MOUNTING DETAIL
6" = 1'-0"

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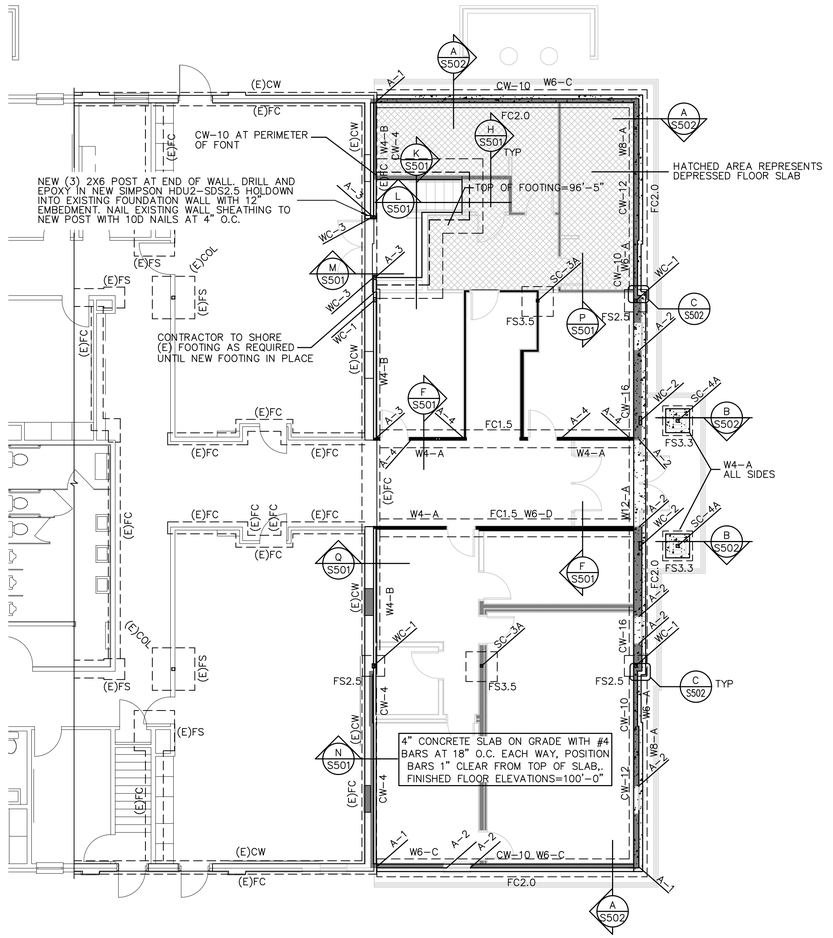
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
ROOM SIGNAGE SCHEDULE AND DETAILS

Sheet
F121



FOOTING AND FOUNDATION PLAN

1/8" = 1'-0"

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions

Mark	Date	Description

Project Number
25-12

Plan Series
Stake Suite Addition

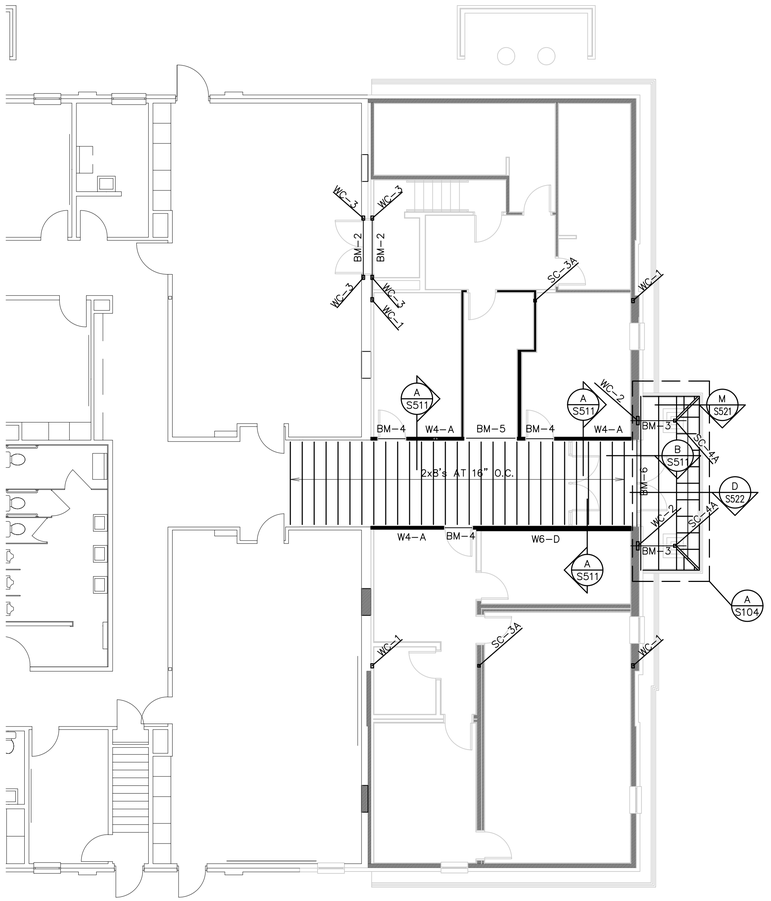
Property Number
548-6467-24020101

Date
March 24, 2025

Sheet Title:
FOOTING AND FOUNDATION PLAN

Sheet:
S101

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MEZZANINE PLAN
1/8" = 1'-0"

MEZZANINE LOADING	
2X FRAMING =	2.5 PSF
SHEATHING =	2.5 PSF
CEILINGS =	4.0 PSF
MECHANICAL =	2.5 PSF
LIGHTING =	2.0 PSF
COLLATERAL =	1.5 PSF
LIVE LOAD =	40 PSF
TOTAL LOAD =	55 PSF

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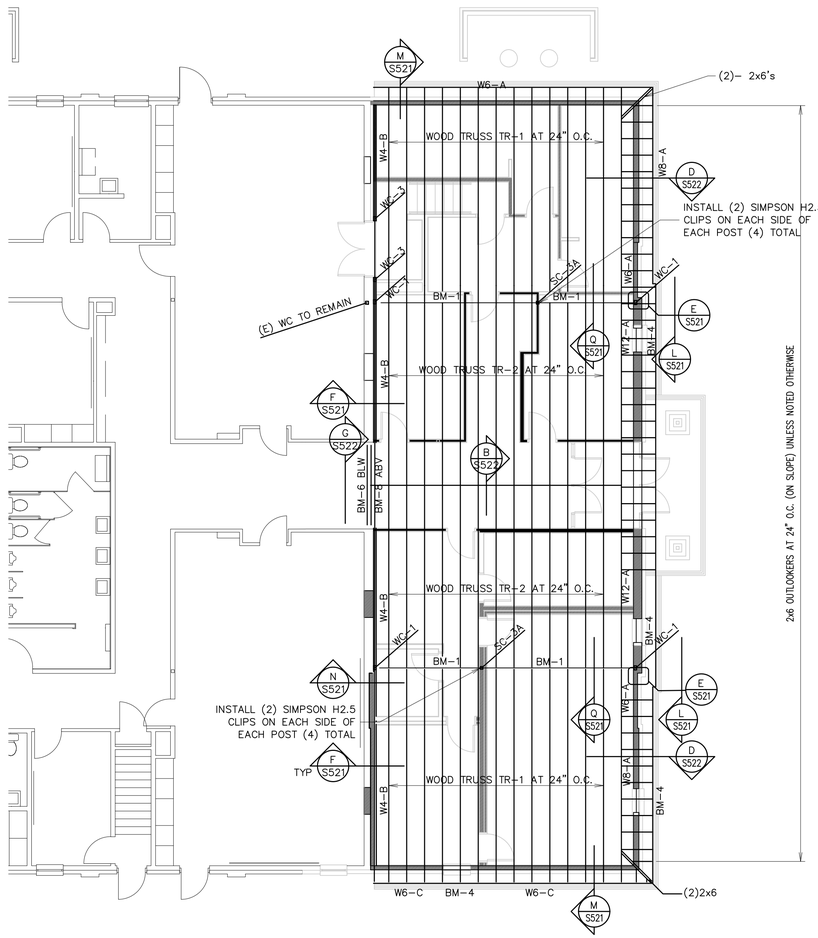
Revisions

Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
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Sheet Title:
MEZZANINE FRAMING PLAN

Sheet:
S102



ROOF LOADING	
TRUSSES =	4 psf
SHEATHING =	2.5 psf
CEILING/INSULATION=	4 psf
MECHANICAL =	1 psf
LIGHTING =	1 psf
COLLATERAL =	1.5 psf
ROOFING =	6 psf
SNOW LOAD =	27 psf
TOTAL LOAD =	47 psf

NOTE
SEE SHEET S605 FOR LEGEND AND ROOF FRAMING NOTES

ROOF FRAMING PLAN

1/8" = 1'-0"

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Plan Series
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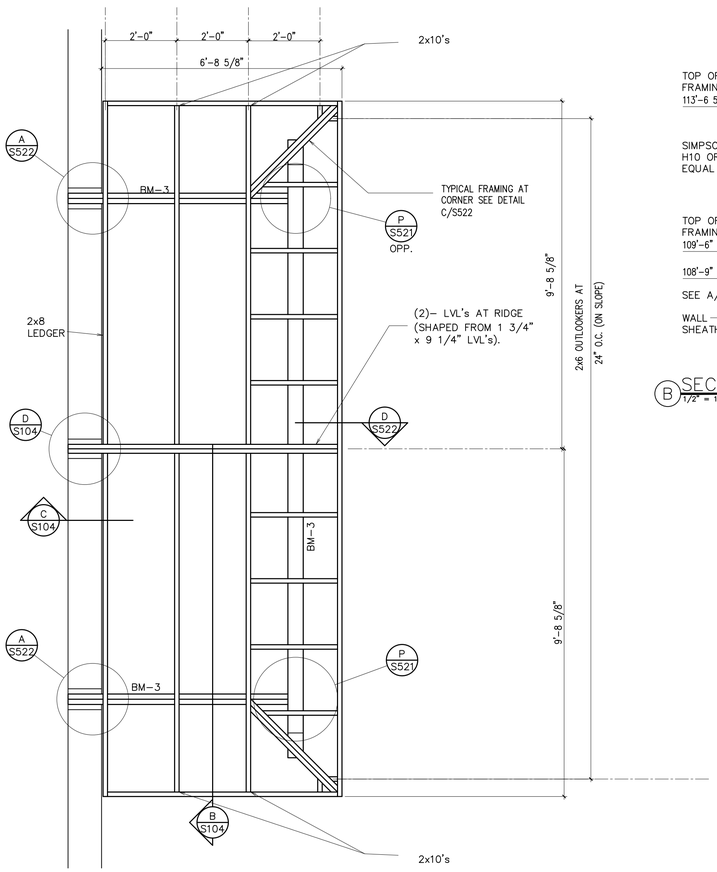
Property Number
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Date
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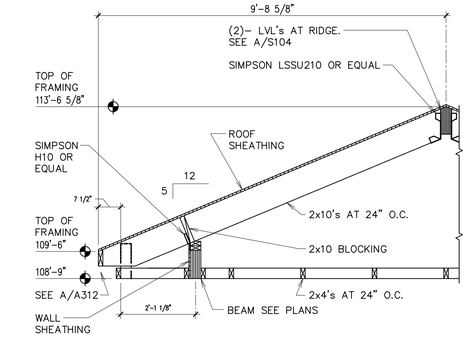
Sheet Title:
ROOF FRAMING PLAN

Sheet:
S103

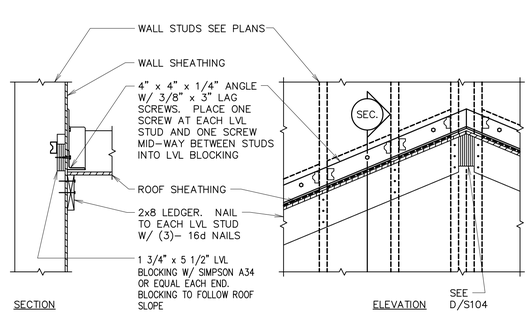
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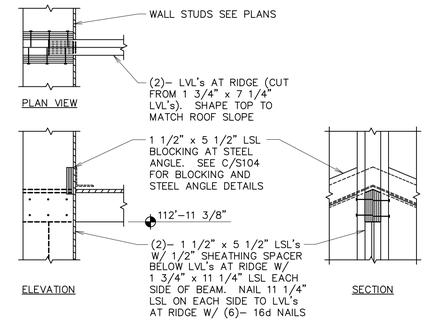
A ENLARGED FRAMING PLAN AT REAR ENTRY
1/2" = 1'-0"



B SECTION AT REAR ENTRY
1/2" = 1'-0"



C FRAMING AT REAR ENTRY
NO SCALE



D RIDGE CONNECTION AT HIGH WALL
NO SCALE

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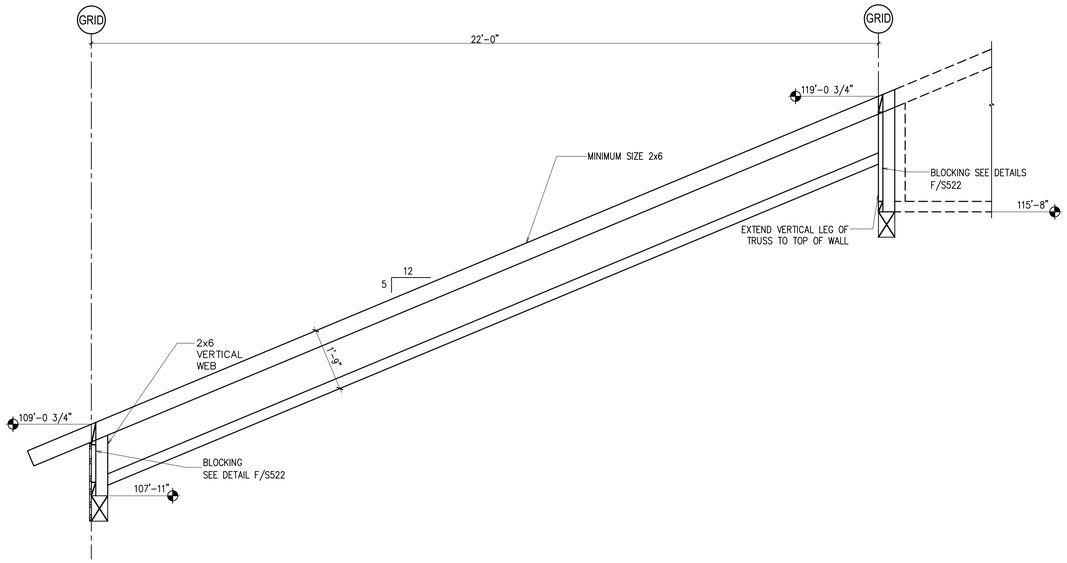
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
March 24, 2025

Sheet Title
DETAILS

Sheet
S104



1 TR-1 TRUSS ELEVATION
NO SCALE

TRUSS TR-1			
LOAD CASE	A	B	C
	BALANCED SNOW OR LIVE LOAD (plf)	TOP CHORD DEAD LOAD (plf)	BOTTOM CHORD DEAD LOAD (plf)
1	54	50	10

TR-5 LOAD DIAGRAM

LOAD DIAGRAM #1 – TOP CHORD

A+B

LOAD DIAGRAM #2 – BOTTOM CHORD

C

TR-1 LOAD COMBINATIONS
COMBINATION LOAD 1: DIAGRAMS 1 AND 2

NOTES:
1. TRUSS WEBS ARE NOT SHOWN, SEE TRUSS SUPPLIER DRAWINGS FOR TRUSS CONFIGURATION.
2. PRESS PLATES AT 2x6 MEMBERS SUPPORTING INSULATION MAY BE SIZED TO SUPPORT REQUIRED LOAD, THEY DO NOT NEED TO BE OVERSIZED PER CHURCH SPECIFICATIONS.
3. LOAD COMBINATIONS SHOWN ARE IN ADDITION TO THE IBC WIND AND SEISMIC LOAD COMBINATIONS. ALL TRUSSES SHALL BE DESIGNED PER LOAD COMBINATIONS SPECIFIED IN IBC SECTION 1605.
4. FRAMER TO INCLUDE AN ALLOWANCE FOR TRUSS BRACING THAT WILL BE DESIGNED BY THE TRUSS MANUFACTURER.
5. LIMIT TOTAL LOAD DEFLECTION TO L/240. LIMIT LIVE LOAD DEFLECTION TO L/360.
6. SPLICES IN TOP AND BOTTOM CHORDS TO OCCUR AT TRUSS JOINTS.

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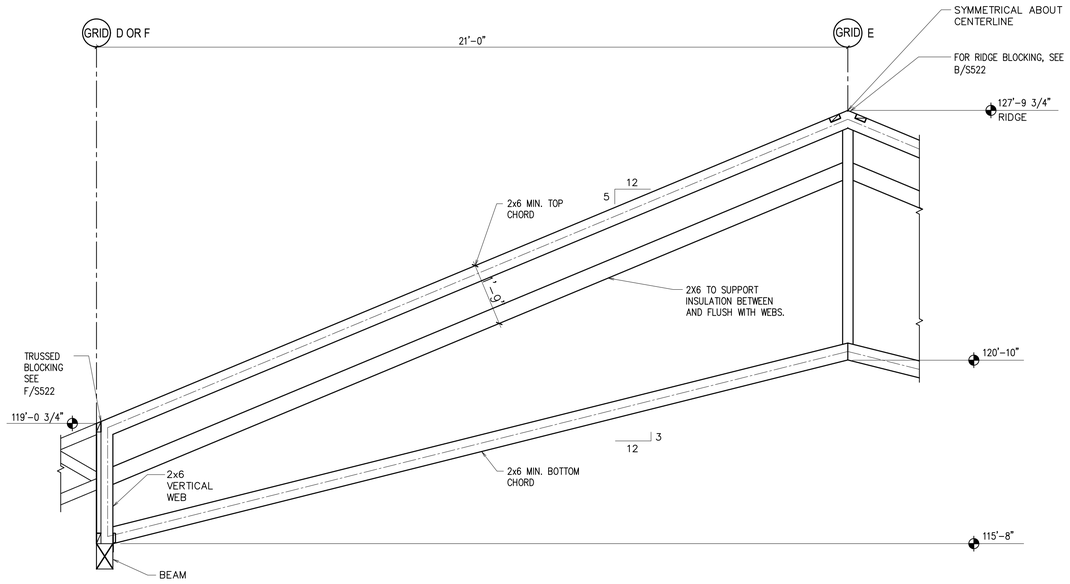
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
March 24, 2025

Sheet Title
RAFTERS DETAIL

Sheet
S200



1 TR-2 TRUSSED RAFTER
NO SCALE

TRUSS TR-2					
LOAD CASE	A	B	C	D	E
	BALANCED SNOW OR LIVE LOAD (plf)	TOP CHORD DEAD LOAD (plf)	WINDWARD DRIFTING SNOW LOAD (plf)	LEEWARD DRIFTING SNOW LOAD (plf)	BOTTOM CHORD DEAD LOAD (plf)
1	54	50	20	70	10

TR-2 LOAD COMBINATIONS

COMBINATION LOAD 1: DIAGRAMS 1,2,4
COMBINATION LOAD 2: DIAGRAMS 1,3,4

NOTES:
1. TRUSS WEBS ARE NOT SHOWN, SEE TRUSS SUPPLIER DRAWINGS FOR TRUSS CONFIGURATION.
2. PRESS PLATES AT 2x6 MEMBERS SUPPORTING INSULATION MAY BE SIZED TO SUPPORT REQUIRED LOAD, THEY DO NOT NEED TO BE OVERSIZED PER CHURCH SPECIFICATIONS.
3. LOAD COMBINATIONS SHOWN ARE IN ADDITION TO THE IBC WIND AND SEISMIC LOAD COMBINATIONS. ALL TRUSSES SHALL BE DESIGNED PER LOAD COMBINATIONS SPECIFIED IN IBC SECTION 1605.
4. FRAMER TO INCLUDE AN ALLOWANCE FOR TRUSS BRACING THAT WILL BE DESIGNED BY THE TRUSS MANUFACTURER.
5. LIMIT TOTAL LOAD DEFLECTION TO L/240. LIMIT LIVE LOAD DEFLECTION TO L/360.
6. SPLICES IN TOP AND BOTTOM CHORDS TO OCCUR AT TRUSS JOINTS.

TR-2 LOAD DIAGRAMS

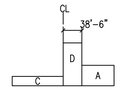
LOAD DIAGRAM #1 – TOP CHORD

B

LOAD DIAGRAM #2 – TOP CHORD

A

LOAD DIAGRAM #3 – TOP CHORD



LOAD DIAGRAM #4 – BOTTOM CHORD

E

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Roy, Utah

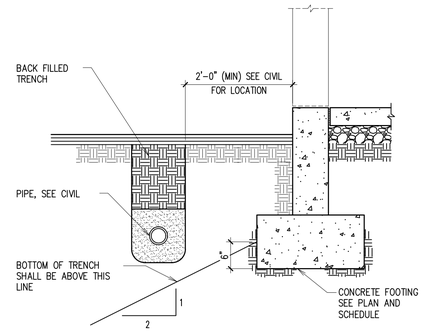
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

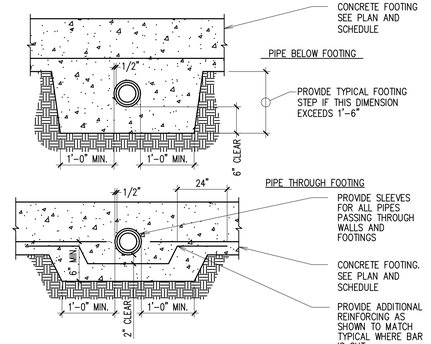
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
March 24, 2025

Sheet Title
RAFTERS DETAIL

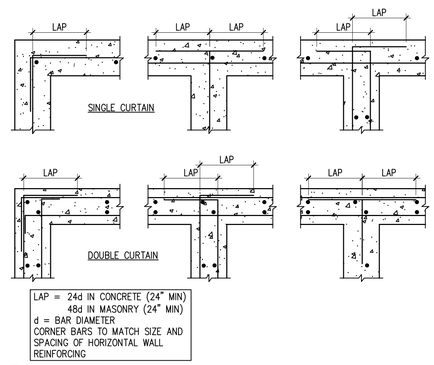
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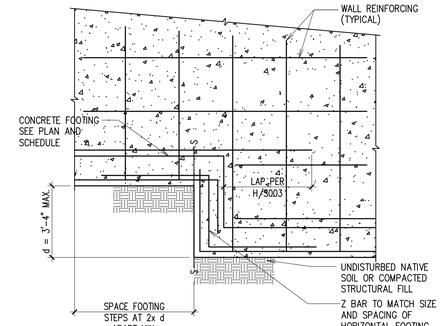
A CONDITION AT PIPE PARALLEL TO CONCRETE FOOTING
NO SCALE



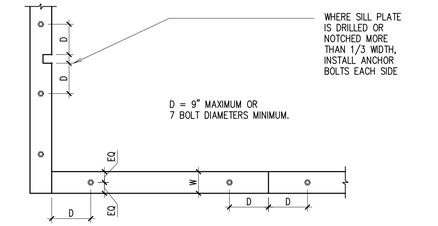
B CONDITION AT PIPE PERP. TO CONCRETE FOOTING
NO SCALE



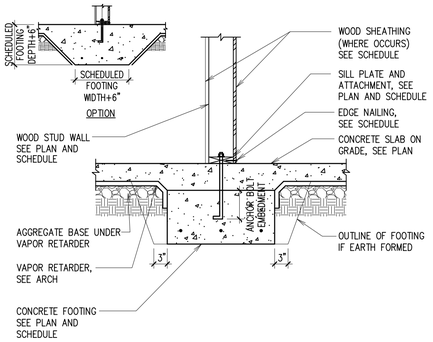
C TYP CORNER WALL REINFORCING AT CONCRETE WALLS (PLAN VIEW)
NO SCALE



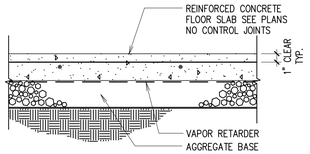
D TYP FOOTING STEP DETAIL
NO SCALE



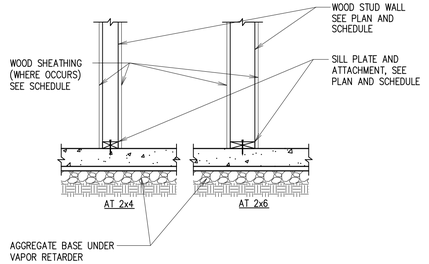
E TYP. SILL PLATE BOLTING DETAIL
NO SCALE



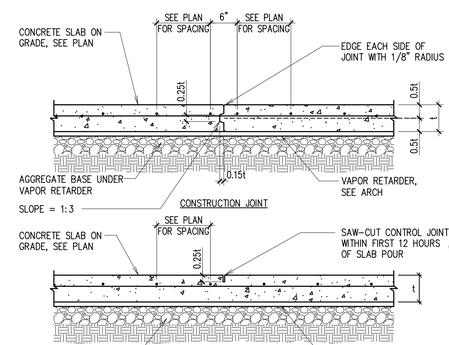
F TYPICAL INTERIOR CONCRETE FOOTING
NO SCALE



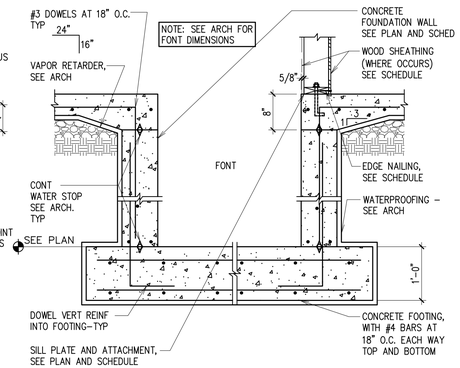
G TYPICAL VAPOR RETARDER AT INTERIOR SLAB GRADE
NO SCALE



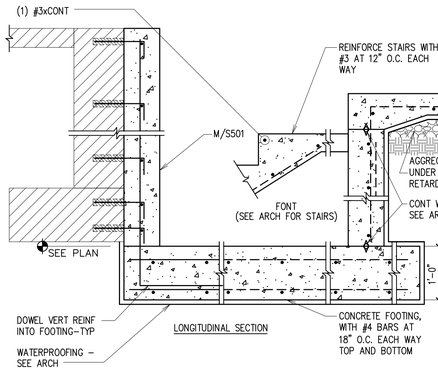
H TYP NON-BEARING STUD AT SLAB-ON-GRADE
NO SCALE



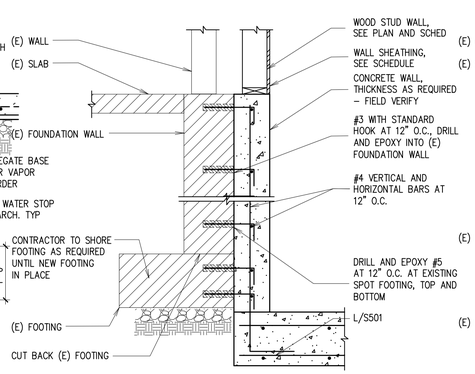
J TYPICAL SLAB ON GRADE JOINT DETAILS
NO SCALE



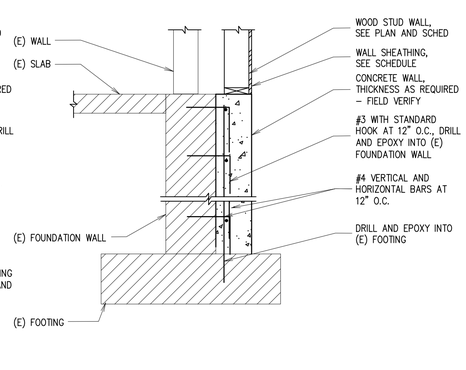
K FOOTING AND FOUNDATION AT BAPTISMAL FONT
NO SCALE



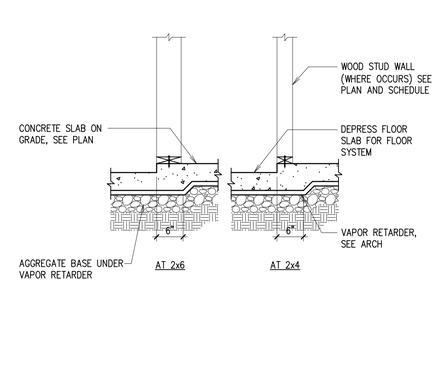
L STAIR DETAIL AT BAPTISMAL FONT
NO SCALE



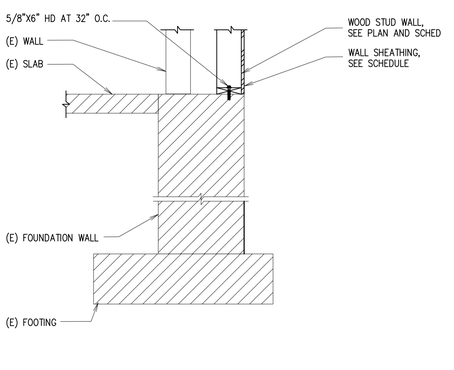
M FONT AT EXISTING FOUNDATION DETAIL
NO SCALE



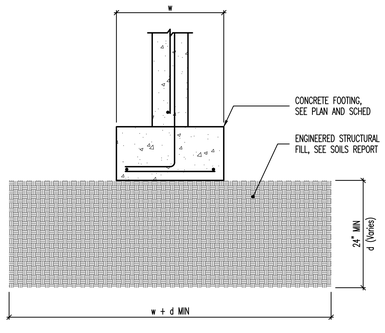
N NEW WALL AT EXISTING FOUNDATION DETAIL
NO SCALE



P WOOD STUD WALL AT FLOOR OFFSET
NO SCALE



Q NEW WALL AT EXISTING FOUNDATION DETAIL
NO SCALE



R ENGINEERED STRUCTURAL FILL DETAIL
NO SCALE

evans + associates architecture
11576 south state street, suite 103b, draper, utah 84020
phone 801-553-8272 fax 801-553-8273

Stamp
PROFESSIONAL STRUCTURAL ENGINEER
NO. 323828-2203
CHRISTIAN LEE HOFHEINS
STATE OF UTAH
5-16-25

Syracuse Lake View YSA Stake Suite
Syracuse UT Lake View YSA Stake
3301 West 6000 South
Roy, Utah

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

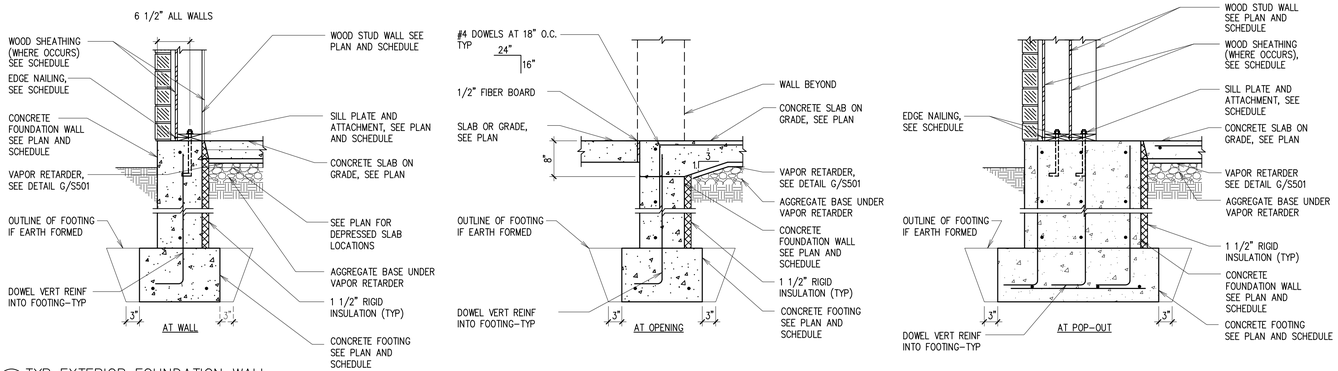
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Mark	Date	Description

Project Number	25-12
Plan Series	Stake Suite Addition
Property Number	548-6467-24020101
Date	March 24, 2025

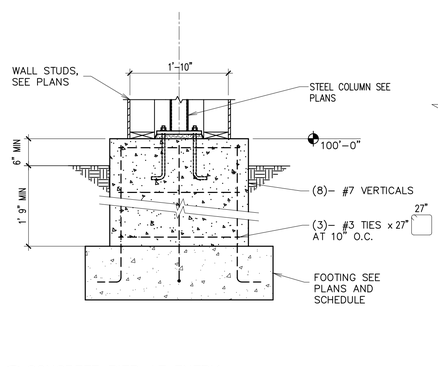
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Sheet
S501

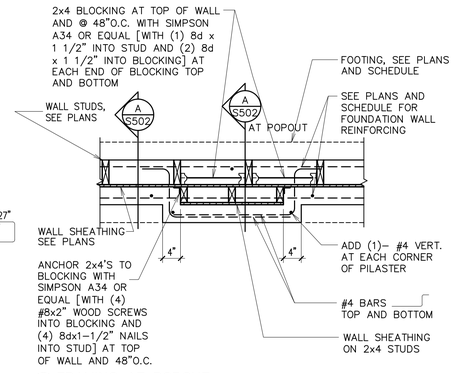
BHB STRUCTURAL
2766 S. Main Street
Salt Lake City, Utah 84115
801.355.5656
bhb@bhbengineers.com



A TYP EXTERIOR FOUNDATION WALL
NO SCALE



B CONCRETE PIER AT ENTRY
NO SCALE



C FRAMING AT POPOUT
NO SCALE

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5-16-25

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Roy, Utah

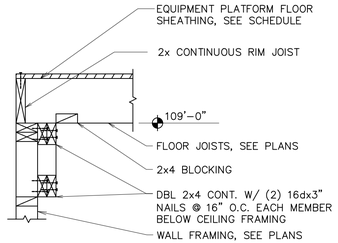
Project for:
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Revisions		
Mark	Date	Description

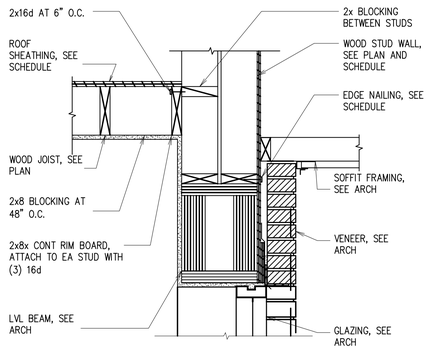
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
March 24, 2025

Sheet Title
DETAILS

Sheet
S502



A EQUIPMENT PLATFORM AT REAR ENTRY



B HEAD DETAIL

evans + associates architecture
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STATE OF UTAH

5-16-25

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Syracuse UT Lake View YSA Stake
3301 West 6000 South
Roy, Utah

Project for:
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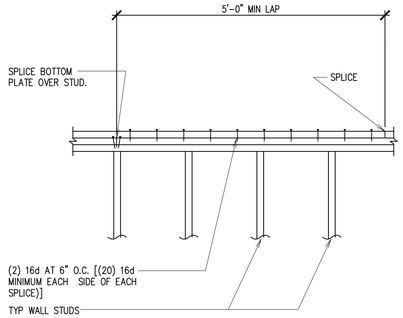
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DETAILS

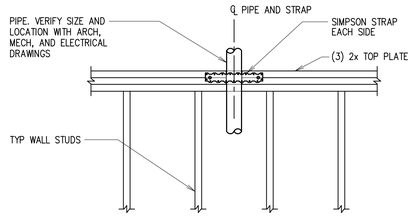
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2766 S. Main Street
Salt Lake City, Utah 84115
801.355.5656
bhb@bhbengineers.com

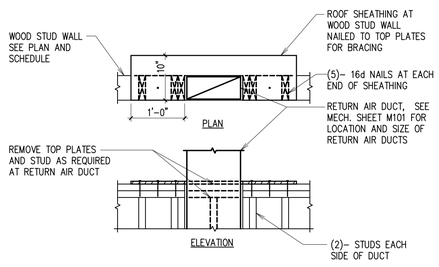


A TYP TOP PLATE SPLICE DETAIL
NO SCALE

TOP PLATE SPLICE	
HOLE SIZE	STRAPS
LESS THAN OR EQUAL TO 1/3 STUD WIDTH	NONE REQUIRED
GREATER THAN 1/3 AND LESS THAN OR EQUAL TO 2/3 STUD WIDTH	ST2122 WITH (4) 16d x 3 1/2" NAILS EACH END
GREATER THAN 2/3 STUD WIDTH	ST2215 WITH (6) 16d x 3 1/2" NAILS EACH END

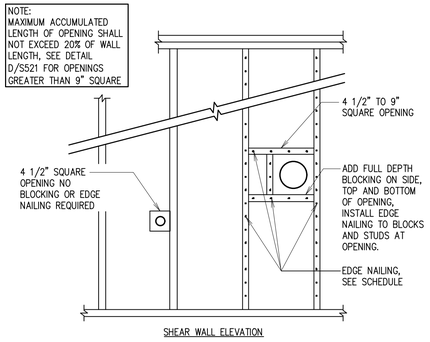


B TOP PLATE SPLICE SCHEDULE AT PIPE
NO SCALE



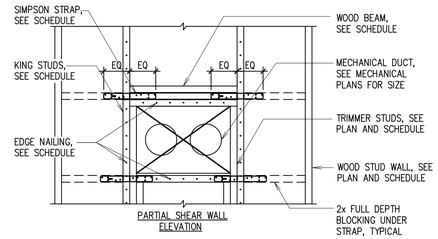
AT DUCT IN NON–BEARING WALL

NOTE:
MAXIMUM ACCUMULATED LENGTH OF OPENING SHALL NOT EXCEED 20% OF WALL LENGTH, SEE DETAIL D/S521 FOR OPENINGS GREATER THAN 9" SQUARE



SHEAR WALL ELEVATION

C WALL OPENINGS LESS THAN 9" SQUARE
NO SCALE

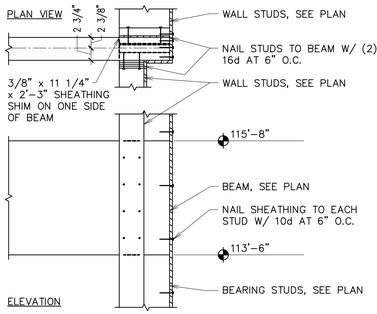


PARTIAL SHEAR WALL ELEVATION

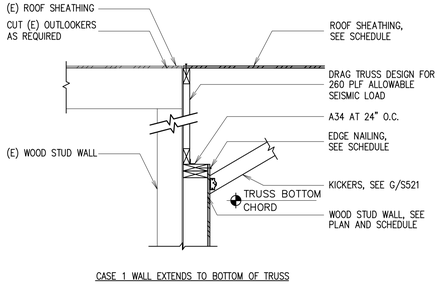
BEAM SPAN	BEAM SIZE	TRIMMER	KING STUD	HORIZONTAL SIMPSON STRAP	NAILS
1'–3"	(3) 2x6	(1) 2x	(1) 2x	CS22 x 2'–0"	(24) 8d x 2 1/2"
3'–5"	(3) 2x10	(1) 2x	(1) 2x	CS18 x 2'–0"	(36) 8d x 2 1/2"
5'–7"	(3) 2x12	(1) 2x	(2) 2x	CS16 x 2'–8"	(44) 8d x 2 1/2"

SEE DETAIL C/S521 FOR OPENINGS < 9" SQUARE

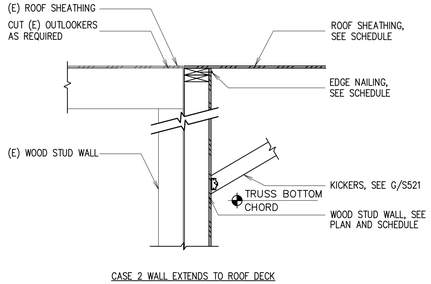
D WALL ELEVATION WITH MECHANICAL OPENING
NO SCALE



E BEAM CONNECTION AT STUD WALL
NO SCALE

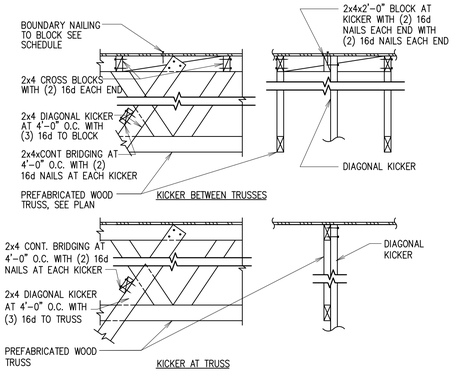


CASE 1 WALL EXTENDS TO BOTTOM OF TRUSS

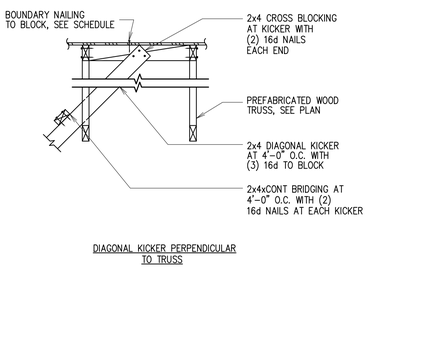


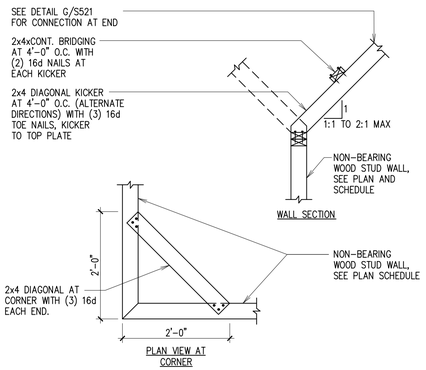
CASE 2 WALL EXTENDS TO ROOF DECK

F NEW TRUSS AT EXISTING BUILDING
NO SCALE

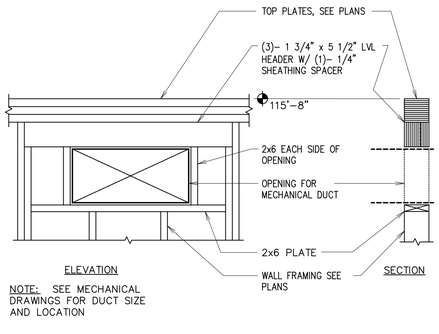


G KICKER CONNECTIONS TO ROOF TRUSSES
NO SCALE



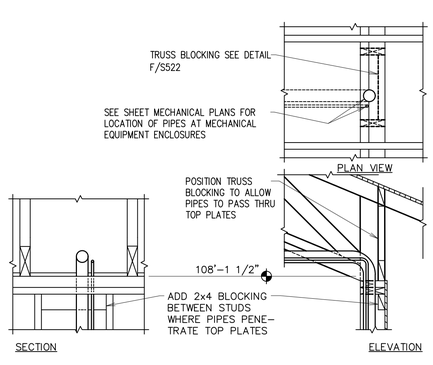


N BEAM BEARING AT WOOD STUD WALL
NO SCALE

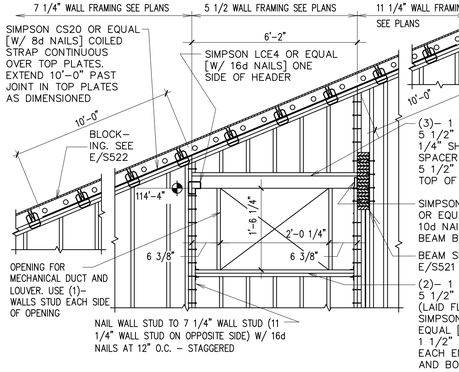


NOTE: SEE MECHANICAL DRAWINGS FOR DUCT SIZE AND LOCATION

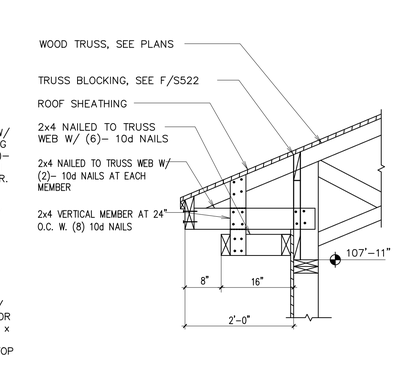
J MECHANICAL DUCT OPENING
NO SCALE



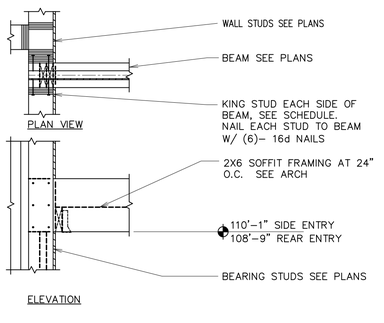
K PIPE PENETRATIONS AT TOP PLATE
NO SCALE



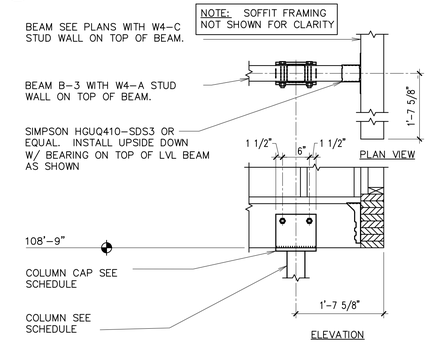
L RECESSED MECHANICAL DUCT AT REAR
NO SCALE



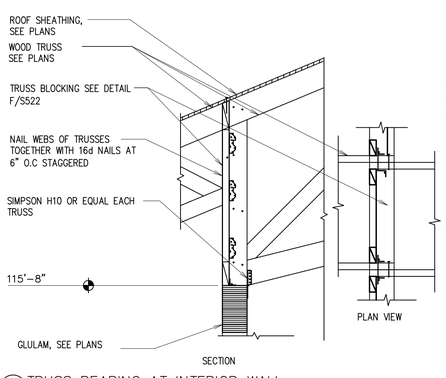
M TRUSS BEARING AT LOW WALL
NO SCALE



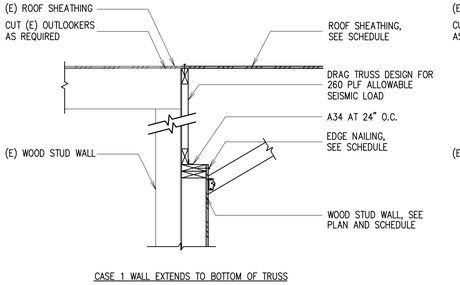
H TYPICAL NON–BEARING PARTITION BRACING DETAILS
NO SCALE



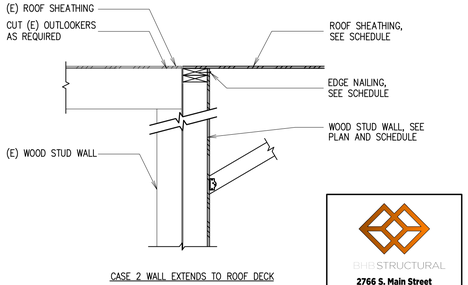
P BEAM TO COLUMN CONNECTION AT REAR ENTRY
NO SCALE



Q TRUSS BEARING AT INTERIOR WALL
NO SCALE



CASE 1 WALL EXTENDS TO BOTTOM OF TRUSS



CASE 2 WALL EXTENDS TO ROOF DECK

R NEW TRUSS AT BEAM
NO SCALE

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3301 West 6000 South
Roy, Utah

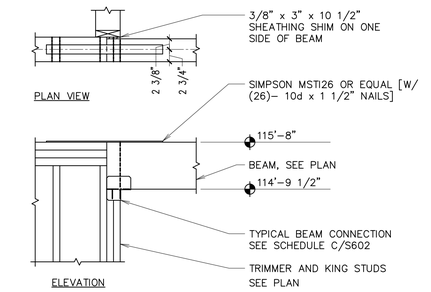
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

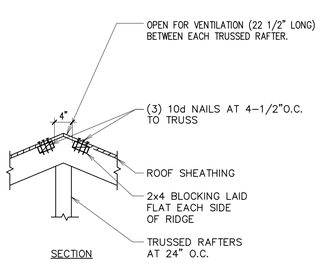
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
March 24, 2025

Sheet Title
DETAILS

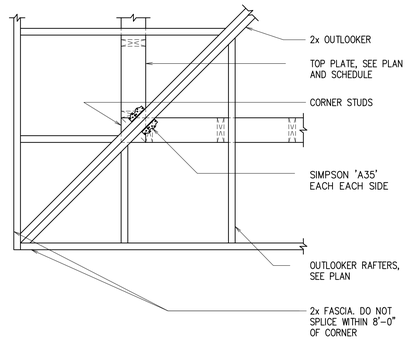
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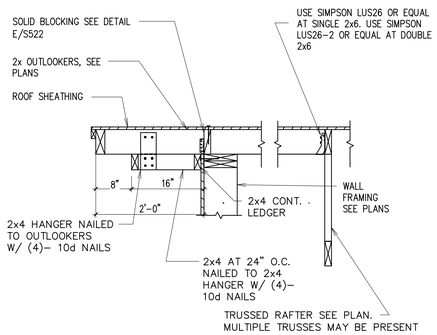
A BEAM CONNECTION
NO SCALE



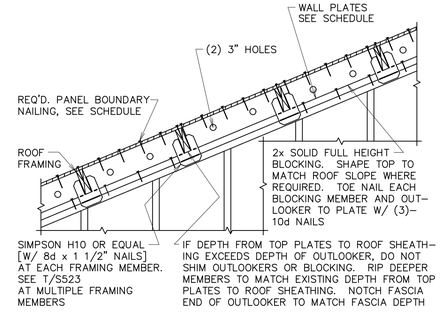
B TYPICAL RIDGE VENT BLOCKING
NO SCALE



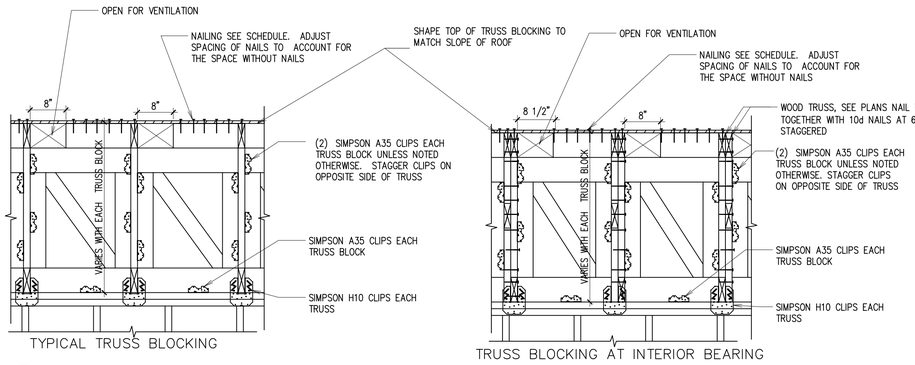
C CORNER SOFFIT FRAMING [PLAN VIEW]
NO SCALE



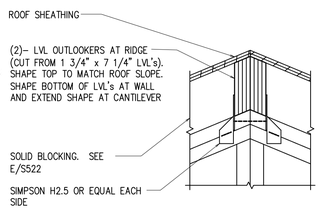
D 2X OUTLOOKER CONNECTION TO TRUSS AND WALL
NO SCALE



E BLOCKING AT GABLE ENDS
NO SCALE



F TYPICAL TRUSS BLOCKING
NO SCALE



G RIDGE BEAM CONNECTION AT EXTERIOR WALL
NO SCALE

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Stamp

PROFESSIONAL STRUCTURAL ENGINEER
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5-16-25

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Sheet
S522

BHB STRUCTURAL
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Salt Lake City, Utah 84115
801.355.5656
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SCHEDULE A

DESIGN CRITERIA

EOR–DO NOT CHANGE

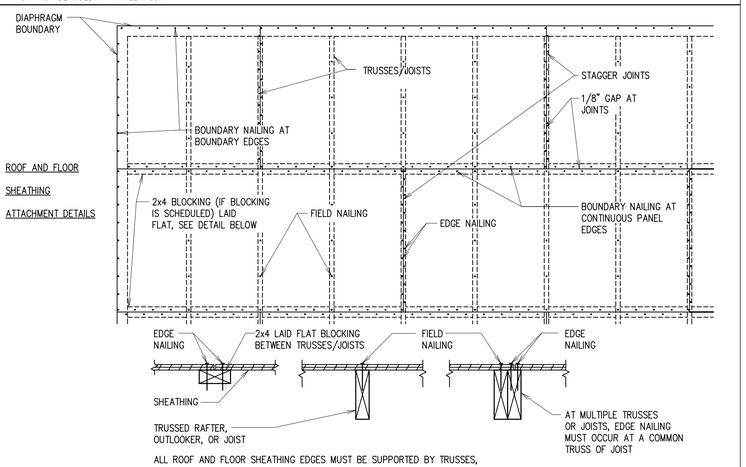
DESIGN CRITERIA	INTERNATIONAL BUILDING CODE (ASCE 7)	2021 IBC
SEISMIC	OCCUPANCY CATEGORY	III
	IBC SEISMIC IMPORTANCE FACTOR	I_E = 1.25 (OWNER'S REQUIREMENT)
	MAPPED SPECTRAL RESPONSE ACCELERATION:	
	MAPPED VALUE OF S_S (FOR ALL CALCULATIONS EXCEPT C_S)	S_S = 1.136
	VALUE OF S_S USED TO CALCULATE C_S (LIMIT S_S TO 1.5 PER ASCE 7)	S_S = 1.136
	S_1	S_1 = 0.402
	SOIL SITE CLASS	D
	SITE COEFFICIENT F_a	F_a = 1.2
	SITE COEFFICIENT F_v	F_v = 1.5
	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	S_{DS} = 0.909
		S_{D1} = 0.402
	SEISMIC DESIGN CATEGORY	D
	BASIC SEISMIC–FORCE RESISTING SYSTEM.	LIGHT FRAMED WALLS SHEATHED WITH WOOD PANELS
	RESPONSE MODIFICATION FACTOR	R = 6.5
	OVERSTRENGTH FACTOR	W_0 = 3.0
	ANALYSIS PROCEDURE USED.	ASCE 7 EQUIVALENT LATERAL FORCE PROCEDURE
	SEISMIC RESPONSE COEFFICIENT – ULTIMATE	C_S = 0.175
WIND	ASCE 7 DIRECTIONAL PROCEDURE – PART 1	
	WIND SPEED (3 SECOND GUST–ULTIMATE)	109 M.P.H.
	EXPOSURE CATEGORY	B
	WIND IMPORTANCE FACTOR	NOT APPLICABLE
ROOF	DEAD LOAD	30 P.S.F.
	ROOF SNOW LOAD – THIS LOAD REFLECTS ROOF SNOW LOAD MULTIPLIED BY THE SNOW IMPORTANCE FACTOR 22psf*1.1. (VALUE SHOWN DOES NOT INCLUDE DRIFT LOAD)	27 P.S.F.
	SNOW IMPORTANCE FACTOR	I_s = 1.10
	BUILDING ELEVATION	4327 FT
EQUIPMENT PLATFORM	DEAD LOAD	15 P.S.F.
	LIVE LOAD	40 P.S.F.
SOIL BEARING		2500 P.S.F.

SCHEDULE B

SHEATHING TYPE AND NAILING SCHEDULE

LOCATION	SHEATHING[2,3]	EDGE NAILING[1]	FIELD NAILING[1]	BOUNDARY NAILING[1]	BLOCKING AT PANEL EDGES
ROOF, UNBLOCKED TYPE 1	19/32" 40/20 SPAN RATING	10d AT 6" O.C.	10d AT 6" O.C.	10d AT 6" O.C.	NO
EQUIPMENT PLATFORM	15/32" 32/16 SPAN RATING	10d AT 6" O.C.	10d AT 6" O.C.	10d AT 6" O.C.	NO
WALLS	SEE WOOD WALL SCHEDULE A/S002				

1. SEE PARTIAL PLAN BELOW FOR LOCATION OF BOUNDARY, EDGE, AND FIELD NAILING.
2. SHEATHING FOR EQUIPMENT PLATFORM, ROSTRUM, AND PLATFORM SHALL BE GLUED AND NAILED TO THE STRUCTURE
3. ALL ROOF SHEATHING SHALL BE PLYWOOD. ORIENTED STRAND BOARD (OSB) CANNOT BE USED WITH TILE ROOF.



ALL ROOF AND FLOOR SHEATHING EDGES MUST BE SUPPORTED BY TRUSSES, JOISTS, OR 2x4 LAID FLAT IF BLOCKING IS SCHEDULED.

PARTIAL PLAN

SCHEDULE C

QUALITY ASSURANCE (TESTING AND INSPECTION)

QUALITY ASSURANCE (TESTING AND INSPECTION) AS REQUIRED BY THE OWNER AND IBC, SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE REQUIRED TESTS AND INSPECTIONS. ALL TESTING AND INSPECTION REPORTS SHALL BE SENT WITHIN 24 HOURS OF COMPLETION OF THE TEST OR INSPECTION TO THE OWNER, ARCHITECT, APPLICABLE ENGINEER, BUILDING OFFICIAL AND GENERAL CONTRACTOR. ITEMS REQUIRING QUALITY ASSURANCE (TESTING AND INSPECTION) ARE:

1. SOILS/ENGINEERED FILL:
   - A. REFER TO SPECIFICATIONS FOR ADDITIONAL AND SPECIFIC TESTING AND INSPECTION REQUIREMENTS
   - B. PRIOR TO PLACEMENT OF THE PREPARED FILL, THE INSPECTOR SHALL DETERMINE THAT THE SITE HAS BEEN PREPARED IN ACCORDANCE WITH THE SOILS REPORT
   - C. DURING PLACEMENT AND COMPACTION OF THE FILL MATERIAL, THE INSPECTOR SHALL DETERMINE THAT THE MATERIAL BEING USED AND THE MAXIMUM LIFT THICKNESS COMPLIES WITH THE GEOTECHNICAL REPORT
   - D. THE INSPECTOR SHALL DETERMINE THAT THE IN–PLACE DRY DENSITY OF THE ENGINEERED FILL MATERIAL COMPLIES WITH THE GEOTECHNICAL REPORT
     - I. CONTINUOUS FOOTING ENGINEERED FILL: SEE SPECIFICATIONS
     - II. SPOT FOOTING ENGINEERED FILL: SEE SPECIFICATIONS
     - III. SITE WORK ENGINEERED FILL (PAVED AREAS, SIDEWALKS, TRENCHES, ETC): SEE SPECIFICATIONS.
     - IIII. BUILDING PAD ENGINEERED FILL: SEE SPECIFICATIONS
2. CONCRETE:
   - A. REFER TO SPECIFICATIONS FOR SPECIFIC TESTING AND INSPECTION REQUIREMENTS
   - B. CYLINDERS, SLUMP, TEMPERATURE, AND AIR–ENTRAINMENT TESTS SHALL BE PERFORMED
   - C. CONCRETE TO BE PROTECTED DURING COLD AND HOT WEATHER
3. PREFABRICATED METAL PLATE WOOD TRUSSES:
   - A. REFER TO SPECIFICATIONS FOR INSPECTION OF PREFABRICATED WOOD TRUSSES LONGER THAN 60' LONG
   - B. REFER TO SPECIFICATIONS FOR CERTIFICATION REQUIREMENTS
   - C. THE INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS OF INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS
4. WOOD DIAPHRAGMS AND SHEAR WALLS:
   - A. FOR WALLS AND ROOF AREAS WHERE THE NAIL SPACING IS 4 INCHES AND LESS ON CENTER, THE INSPECTOR SHALL VERIFY WOOD PANEL SHEATHING, GRADE, AND THICKNESS, NOMINAL SIZE OF FRAMING MEMBERS, NAIL SIZE AND SPACING, BOLTING, SILL PLATE AND ANCHOR BOLTS, AND OTHER FASTENING OF COMPONENTS
   - B. ALL HOLDOWNS SHALL BE INSPECTED TO VERIFY CONFORMANCE WITH CONTRACT DOCUMENTS
5. EPOXY ANCHORS:
   - A. REFER TO SPECIFICATIONS FOR ADDITIONAL AND SPECIFIC TESTING AND INSPECTION REQUIREMENTS
   - B. INSPECTION SHALL VERIFY ALL DRILLED HOLE SIZES AND DEPTHS PRIOR TO INSTALLATION OF EPOXY AND ANCHOR ROD. SEE SPECIFICATIONS FOR QUANTITY OF TESTING
6. STEEL:
   - A. INSPECTION DURING FABRICATION IS NOT REQUIRED IF THE FABRICATOR IS REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT INSPECTION. FIELD TESTING AND FIELD INSPECTION OF STEEL IS NOT REQUIRED

SCHEDULE D

SITE OBSERVATIONS BY STRUCTURAL ENGINEER

SITE OBSERVATIONS SHALL BE DONE BY THE ENGINEER OF RECORD OR AN APPROVED LICENSED STRUCTURAL ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN HE HAS REACHED THE CONSTRUCTION STAGE LISTED BELOW AND BEFORE THE WORK TO BE OBSERVED IS COVERED UP, BECOMES HIDDEN FROM VIEW, OR BECOMES INACCESSIBLE. THIS IS TO PROVIDE THE STRUCTURAL ENGINEER THE OPPORTUNITY TO PERFORM A SITE OBSERVATION. AT THE ENGINEERS DISCRETION, AT THAT STAGE. AT THE CONCLUSION OF THE PROJECT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT OF THE SITE OBSERVATION THAT HAVE BEEN PERFORMED AND IDENTIFY ANY REPORTED DEFICIENCIES THAT HAVE NOT BEEN RESOLVED.

1. PRIOR TO CONCRETE FOOTING POURS
2. PRIOR TO CONCRETE FOUNDATION WALL POURS
3. PRIOR TO CONCRETE SLAB ON GRADE POURS
4. AFTER SUBSTANTIAL WALL WOOD FRAMING IS COMPLETED
5. AFTER SUBSTANTIAL, PLATFORM, AND FRAMING IS COMPLETED
6. AFTER DELIVERY OF PREFABRICATED METAL PLATE ROOF TRUSSES TO JOBSITE
7. AFTER SUBSTANTIAL ROOF WOOD FRAMING IS COMPLETED
8. AFTER SUBSTANTIAL PORTION OF WOOD SHEAR WALLS ARE NAILED
9. AFTER WOOD ROOF SHEATHING IS NAILED AND PRIOR TO ROOFING

SCHEDULE E

DEFERRED SUBMITTALS

FOR THE PURPOSE OF THIS SECTION, DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN THAT ARE NOT SUBMITTED AT THE TIME OF APPLICATION. SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER, ARCHITECT, AND BUILDING OFFICIAL FOR THEIR REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT ARE:

1. PREFABRICATED METAL PLATE WOOD TRUSSES

SCHEDULE G

WIND COMPONENTS AND CLADDING

WIND ZONE	EFFECTIVE WIND AREA (SQ FT.)				
	10 sq ft.	20 sq ft.	50 sq ft.	100 sq ft.	500 sq ft.
1	30.1	29.3	28.2	27.3	27.3
2	52.4	54.8	42.7	38.5	38.5
3	77.6	72.5	65.9	60.8	60.8
4	35.7	34.2	32.3	30.8	27.3
5	44.1	41.1	37.2	34.2	27.3

SCHEDULE F

SCHEDULE OF CONSTRUCTION MATERIALS

	LOCATION	28–DAY COMPRESSIVE STRENGTH
CONCRETE	EXTERIOR CONCRETE (EXPOSED TO FREEZING AND DE–ICERS)	4,500 P.S.I. MIX TYPE D
	EXTERIOR CONCRETE (NOT EXPOSED TO FREEZING)	3,000 P.S.I. MIX TYPE A
	EXTERIOR CONCRETE (CONCRETE PAVING)	4,000 P.S.I. MIX TYPE C
	FOOTINGS	3,000 P.S.I. MIX TYPE A
	FOUNDATION WALLS (EXPOSED TO FREEZING AND DEICERS)	4,500 P.S.I. MIX TYPE D
	FOUNDATION WALLS (NOT EXPOSED TO FREEZING AND DEICERS)	3,000 P.S.I. MIX TYPE A
	INTERIOR SLABS ON GRADE	3,500 P.S.I. MIX TYPE B
	NOTES: 1. CONCRETE STRENGTH USED IN DESIGN IS 2500 P.S.I.	2. SEE SPECIFICATIONS 03–3111 FOR DEFINITION OF MIX TYPE.

	APPLICATION	MATERIAL
STRUCTURAL STEEL	SQUARE OR RECTANGULAR HSS	ASTM A500 (46ksi) GRADE B
	WIDE FLANGE SECTIONS	ASTM A992 (50ksi)
	OTHER SHAPES AND PLATES	ASTM A36 (36ksi)
	NOTES: 1. WELDING OF STRUCTURAL STEEL SHALL BE ACCORDANCE WITH AWS D1.1	

	FIELD BENT BARS	ALL OTHER BARS
REINFORCING STEEL	ASTM A615, GRADE 40 OR GRADE 60 (SEE LAP SPLICE SCHEDULE H/S003 FOR LAP LENGTHS)	ASTM A615, GRADE 60 (SEE LAP SPLICE SCHEDULE H/S003 FOR LAP LENGTHS)

DIMENSION LUMBER

APPLICATION	SPECIES GROUP AND MINIMUM GRADE (ANY SPECIES AND GRADE LISTED MAY BE USED FOR ANY OF THE DESCRIBED APPLICATIONS).		
TOP PLATES, STRUTS, ROOF JOISTS, FLOOR JOISTS, MISC. FRAMING, HEADERS, BEAMS, LEDGERS	DOUGLAS FIR–LARCH HEM FIR SOUTHERN PINE MSR	#2 OR BETTER #1 OR BETTER #2 OR BETTER 1650F – 1.5E OR BETTER	
BLOCKING	DOUGLAS FIR–LARCH HEM FIR SOUTHERN PINE MSR	#2 OR BETTER #2 OR BETTER #2 OR BETTER 1650F – 1.5E OR BETTER	
POSTS AND TIMBERS 5" x 5" AND LARGER	DOUGLAS FIR–LARCH SOUTHERN PINE	#1 OR BETTER #1 OR BETTER	
SILL PLATES	DOUGLAS FIR–LARCH HEM FIR SOUTHERN PINE SCL	2x4, 1 1/2"x3 1/2" SCL STANDARD OR BETTER STANDARD OR BETTER STANDARD OR BETTER SEE BELOW	2x6, 2x8, 2x10, 1 1/2"x9 1/2" SCL, 1 1/2"x11 7/8" SCL #2 OR BETTER #2 OR BETTER #2 OR BETTER SEE BELOW
TRUSSED RAFTERS (CHORDS AND WEBS)	SPRUCE PINE FIR DOUGLAS FIR–LARCH HEM FIR SOUTHERN PINE MSR	#2 OR BETTER #2 OR BETTER #1 OR BETTER #2 OR BETTER 1650F – 1.55E OR BETTER	
EXTERIOR WALL STUDS AND INTERIOR STRUCTURAL WALL STUDS	DOUGLAS FIR–LARCH HEM FIR SOUTHERN PINE SCL	2x4 #2 OR BETTER #1 OR BETTER #2 OR BETTER SEE BELOW	2x6 #2 OR BETTER #1 OR BETTER #2 OR BETTER SEE BELOW
INTERIOR NON–STRUCTURAL WALL STUDS	DOUGLAS FIR–LARCH HEM FIR SOUTHERN PINE SCL SCL	2x4 STANDARD, UTILITY, CONSTRUCTION, OR BETTER STANDARD, UTILITY, CONSTRUCTION, OR BETTER STANDARD, UTILITY, CONSTRUCTION, OR BETTER SEE BELOW	2x6 #2 OR BETTER #2 OR BETTER #2 OR BETTER SEE BELOW

STRUCTURAL COMPOSITE LUMBER (SCL) SUCH AS LVL AND LSL

	MINIMUM PROPERTY VALUES[1] – P.S.I.				
	Fb	Fv	Fc ⊥	Fc ∥	E x 10^6
1x1/2" x =< 5x1/2" (SEE NOTE 3 AND 4)	1,700	220	575	1,400	1.3
1x1/2" x > 5 1/2 (SEE NOTE 3 AND 4)	2,250	220	575	1,950	1.5
1x3/4" x ALL DEPTHS	2,600	285	750	2,350	1.9
3x1/2" x ALL DEPTHS	1,700	285	680	1,400	1.3

GLU–LAM COLUMNS

	MINIMUM PROPERTY VALUES[1] – P.S.I.				
	Fb	Fv	Fc ⊥	Fc ∥	E x 10^6
5x1/8" x ALL DEPTHS	2,400	265	650	1,800	2.0

GLU–LAM BEAMS

	MINIMUM PROPERTY VALUES[1] – P.S.I.				
	Fb TENSION ZONE	Fb COMPRESSION ZONE STRESSED IN TENSION	Fv	Fc	E x 10^6
24F–V4 DF/DF OR 24F–E4 SP/SP WITH STRESS CLASS 24F–1.8E	2400	2400	265	1600	1.8

NOTES:
1. DESIGN VALUES ARE FOR NORMAL DURATION. REQETIVE FRAMING FACTORS AND SIZE FACTORS HAVE NOT BEEN APPLIED.
2. 1 3/4" MEMBERS MAY BE USED TO REPLACE 1 1/2" SCL MEMBERS. ADJUST DIMENSIONS IN PLANS AND DETAILS ACCORDINGLY.
3. THE MODULUS OF ELASTICITY OF 1 1/2" LSL MEMBERS IS TO BE LESS THAN 1.55x10^6
4. LSL WOOD IS HARDER AND DENSER THAT LVL WOOD. FRAMER MUST HAVE EQUIPMENT THAT WILL DRIVE NAILS COMPLETELY INTO WOOD

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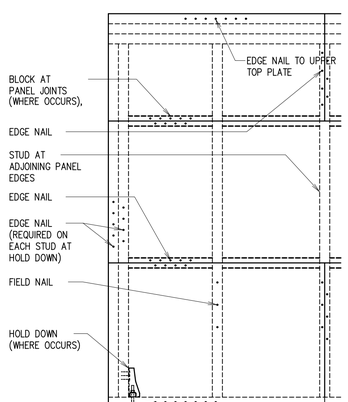
SCHEDULE A

WOOD WALL SCHEDULE

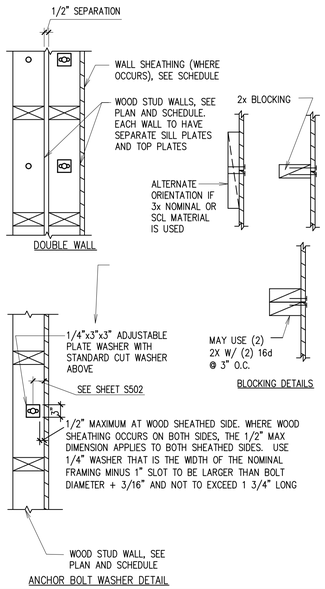
MARK	WALL STUDS	STUD SPACING	SILL PLATE	TOP PLATES	WOOD SHEATHING THICKNESS AND TYPE	COMMENT	FASTENERS	EDGE NAILING (OR E.N.) SPACING	FIELD NAILING (OR F.N.) SPACING	ATTACHMENT TO WOOD SILL PLATE	SILL PLATE ATTACHMENT
W4–A	2x4	16" O.C.	2x4	(2) 2x4	5/8" GYP BOARD		–	7" O.C.	7" O.C.	8d AT 6" O.C.	16d AT 8" O.C. IN WOOD, 5/8" DIA x 7" EMBEDMENT AT 32" O.C.
W4–B	1 1/2" x 5 1/2" SCL	16" O.C.	2x4	(2) 2x4	(1) 7/16" APA RATED		8d NAILS	6" O.C.	6" O.C.	8d AT 6" O.C.	POWDER ACTUATED FASTENERS AT 24" O.C. [8]
W6–A	2x6	16" O.C.	2x6	(2) 2x6	7/16" APA RATED		8d NAILS	6" O.C.	6" O.C.	8d NAILS AT 6" O.C.	16d AT 8" O.C. IN WOOD, 5/8" DIA x 7" EMBEDMENT AT 32" O.C.
W6–C	2x6	16" O.C.	2x6	(2) 2x6	7/16" APA RATED		8d NAILS	4" O.C.	4" O.C.	8d NAILS AT 4" O.C.	5/8" DIA x 7" EMBEDMENT AT 16" O.C. IN CONCRETE
W6–D	2x6	16" O.C.	2x6	(2) 2x6	5/8" GYP BOARD		–	7" O.C.	7" O.C.	8d NAILS AT 6" O.C.	16d AT 8" O.C. IN WOOD, 5/8" DIA x 7" EMBEDMENT AT 32" O.C.
W8–A	2x8	16" O.C.	2x8	2x8	7/16" APA RATED		8d NAILS	6 O.C.	6" O.C.	8d NAILS AT 6" O.C.	5/8" DIA x 7" EMBEDMENT AT 32" O.C. IN CONCRETE
W12–A	2x12	16" O.C.	2x12	2x12	7/16" APA RATED		8d NAILS	6" O.C.	6" O.C.	8d NAILS AT 6" O.C.	5/8" DIA x 7" EMBEDMENT AT 32" O.C.

SCHEDULE NOTES:
1. ALL ANCHOR BOLTS SHALL HAVE A 1/4" x 3" X3" WASHER MINIMUM BETWEEN THE SILL PLATE AND THE NUT AT SEISMIC DESIGN CATEGORY D, E AND F. SEE ANCHOR BOLT PLATE WASHER DETAIL ON THIS SCHEDULE.
2. 5/8"ø ANCHOR BOLTS MAY BE REPLACED WITH POST–INSTALLED ADHESIVE ANCHORS, POST–INSTALLED DRILLED–IN MECHANICAL ANCHORS (EXPANSION BOLTS) OR POST–INSTALLED SCREW ANCHORS. REFER TO SPECIFICATION SECTION 03 1511 FOR ACCEPTABLE PRODUCTS. POST–INSTALLED ANCHORS SHALL BE INSTALLED AS DEEP AS HAD BEEN REQUIRED FOR CAST–IN–PLACE BOLTS.
3. SEE ARCHITECTURAL WALL TYPES FOR FINISHES NOT SHOWN.
4. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
5. FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE–TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.
6. ALL NAILS TO BE HEAD MARKED FOR EASY IDENTIFICATION AFTER INSTALLATION.
7. SEE SKETCH FOR CONDITION AT DOUBLE WALL.
8. POWDER ACTUATED FASTENERS TO BE HILTI "X–DNI 72P8" OR EQUIVALENT.
9. (•) INDICATES SPECIAL INSPECTION REQUIRED.
10. 1 3/4" THICK SCL STUDS MAY REPLACE 1 1/2" THICK SCL STUDS AT CONTRACTOR'S OPTION.
11. LENGTHS OF NAILS ATTACHING THE SHEATHING MAY BE REDUCED PROVIDED THE MINIMUM PENETRATION NOTED IN SCHEDULE F/S003 IS MET.
12. AS AN ALTERNATIVE TO USING A 3X NOMINAL STUD, USE (2) 2X MEMBERS SPIKED TOGETHER WITH (2)16d X3" AT 3" O.C. STAGGERED.

ELEVATION NOTES:
A. WHERE WOOD SHEATHING IS APPLIED ON BOTH SIDES OF THE WALL, AND NAIL SPACING IS LESS THAN 6" ON CENTER ON EITHER SIDE, WOOD SHEATHING PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT STUDS. ALTERNATIVELY, THE WIDTH OF THE NAILED FACE OF THE STUDS SHALL BE 3" NOMINAL OR GREATER AT ADJOINING WOOD SHEATHING PANEL EDGES AND NAILS AT ALL WOOD SHEATHING PANEL EDGES SHALL BE STAGGERED.
B. WHERE NAIL SPACING IS LESS THAN 4", MEMBERS AT ADJOINING PANEL EDGES SHALL NOT BE LESS THAN 3" NOMINAL. JOINT AND SILL NAILING SHALL BE STAGGERED.
C. WALL SHEATHING MAY BE INSTALLED WITH THE LONG DIMENSION HORIZONTAL OR VERTICAL.
D. SHEATHING MAY BE INSTALLED IN STACKED INSTEAD OF RUNNING PATTERN AT CONTRACTOR'S OPTION.
E. ALL SHEATHING SHALL HAVE A SPAN RATING OF 24/16 OR BETTER U.N.O.
F. ALL WALL SHEATHING SHALL COMPLY WITH PS1–95 OR PS2–92.
G. SOLID BLOCK ALL WOOD SHEATHING PANEL JOINTS.



WOOD WALL SHEATHING EDGE DETAILS
SEE NOTE C AND D FOR ORIENTATION OF WOOD SHEATHING



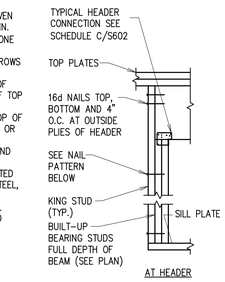
ANCHOR BOLT WASHER DETAIL

SCHEDULE B

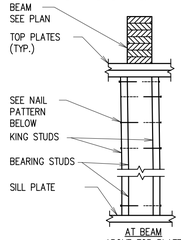
WOOD COLUMN SCHEDULE

MARK	BEARING STUD(S)	KING STUD(S) (EACH SIDE)	COMMENTS
WC–1	(2) 1.3/4"x14" 1.9E LVL		
WC–2	(3) 2X4		
WC–3	(2) 2X4		

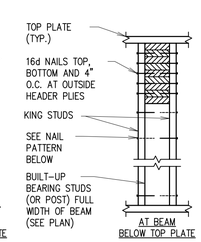
NOTES:
1. USE 16d NAILS TO BUILD UP 2 AND 3 PLY STUD COLUMNS.
   - ADJACENT NAILS ARE TO BE DRIVEN FROM OPPOSING SIDES OF COLUMN.
   - 3 1/2" WIDE COLUMNS REQUIRE ONE ROW OF STAGGERED NAILS. ALL OTHER COLUMNS REQUIRE TWO ROWS OF NAILS.
2. KING STUDS EXTEND FROM TOP OF SILL PLATE PLATE TO BOTTOM OF TOP PLATES.
3. BEARING STUDS EXTEND FROM TOP OF SILL PLATE TO BOTTOM OF BEAM OR HEADER.
4. FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE–TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.



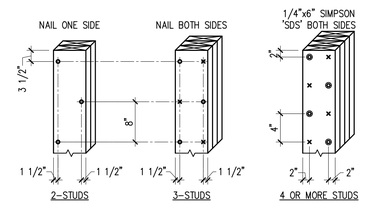
AT HEADER



AT BEAM ABOVE TOP PLATE



AT BEAM BELOW TOP PLATE



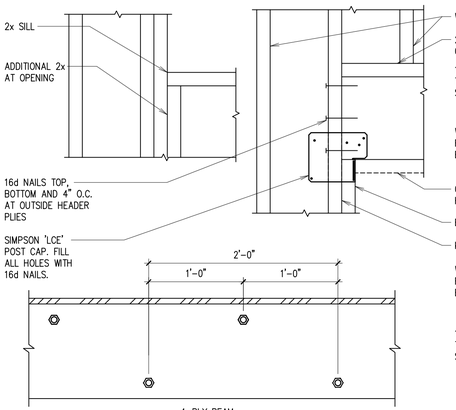
2–STUDS 3–STUDS 4 OR MORE STUDS

LEGEND
- o NAIL OR SCREW FROM THIS SIDE
- × NAIL OR SCREW FROM OPPOSITE SIDE

SCHEDULE C

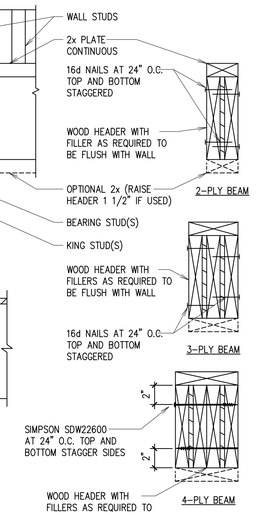
BEAM AND HEADER SCHEDULE

HEADER MARK	BEAM AND HEADER SIZE	JAMB		COMMENTS
		BEARING STUDS	KING STUDS	
BM–1	6 3/4" x 18" GLB	SEE PLANS	SEE PLANS	
BM–2	(2) 2X8	(2) 2X4	(2) 2X4	
BM–3	(2) 9.1/4" LVL	SEE PLANS	SEE PLANS	
BM–4	(2) 2X8	(2) STUD	(2) STUD	TYPICAL HEADER
BM–5	(2) 2X8	(2) STUDS	(2) STUD	CENTER
BM–6	(4) 11.1/4" LVL	(2) STUDS	(2) STUDS	
BM–7	(2) 2X6	(2) 2X4	(2) 2X4	
BM–8	(2) 2X10	(2) 2X4	(2) 2X4	



4–PLY BEAM

NOTES:
1. DO NOT USE FILLERS FOR BEAMS NOT INSTALLED IN WALLS.
2. FOR BEAMS OR HEADERS IN NON–BEARING WALLS, USE (3) 2x6 IN 2x6 WALLS AND (2) 2x6 IN 2x4 WALLS. USE (1) BEARING AND (1) KING STUD.
3. USE FILLERS AS NEEDED TO HAVE ALL BEAMS OR HEADERS MATCH WIDTH OF WALL IN WHICH THEY ARE LOCATED.
4. MULTIPLE MEMBER HEADERS MAY BE REPLACED WITH A SINGLE MEMBER OF EQUIVALENT SIZE AND MATERIAL PROPERTIES.
5. SEE NAILING PATTERN SHOWN IN SCHEDULE B – WOOD COLUMN SCHEDULE FOR MULTIPLE–PLY BEARING AND KING STUDS.



2–PLY BEAM

3–PLY BEAM

4–PLY BEAM

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SCHEDULES

Sheet
S602

SCHEDULE A

CONCRETE FOOTING SCHEDULE

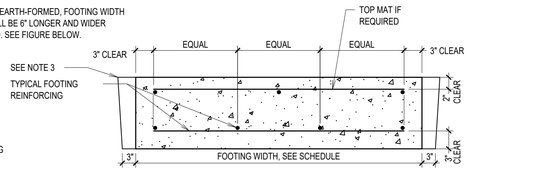
MARK*	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				REMARKS
				NO.	SIZE	LENGTH	SPACING	NO.	SIZE	LENGTH	SPACING	
FC1.5	1'-5"	CONT.	1'-0"	-	#4	1'-0"	48"	2	#4	CONT.	EQ	
FC2.0	2'-0"	CONT.	1'-0"	-	#4	1'-6"	48"	3	#4	CONT.	EQ	
FS2.5	2'-6"	2'-6"	1'-0"	3	#5	2'-0"	EQ	3	#5	2'-0"	EQ	
FS3.5	3'-6"	3'-6"	1'-0"	3	#5	3'-0"	EQ	3	#5	3'-0"	EQ	
FS3.3	3'-4"	3'-4"	1'-0"	3	#4	2'-6"	EQ	3	#5	2'-6"	EQ	

NOTES:

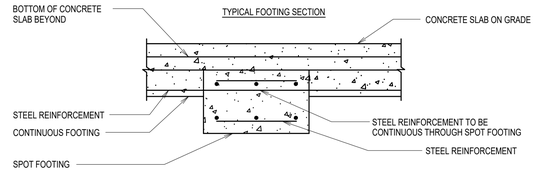
1. PLACE ALL REINFORCING IN THE BOTTOM OF THE FOOTING WITH 3" CLEAR CONCRETE COVER (UNLESS NOTED OTHERWISE). USE ADOBE BLOCKS.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH-FORMED, FOOTING WIDTH AND LENGTH SHALL BE 6" LONGER AND WIDER THAN SCHEDULED. SEE FIGURE BELOW.
4. SOME SCHEDULED FOOTINGS MAY NOT BE USED. SEE FOOTING AND FOUNDATION PLAN FOR FOOTING MARKS.
5. RUN CONTINUOUS BARS IN CONTINUOUS FOOTINGS THRU INTERSECTED SPOT FOOTINGS. SEE FIGURE BELOW.

*FOOTING TYPES

FC = CONTINUOUS FOOTING
FTS = THICKENED SLAB SPOT FOOTING
FS = SPOT FOOTING
FR = RECTANGULAR FOOTING



TYPICAL FOOTING SECTION



CONTINUOUS BARS THROUGH INTERSECTED SPOT FOOTINGS

SCHEDULE B

STEEL ANGLE LINTEL SCHEDULE FOR VENEER

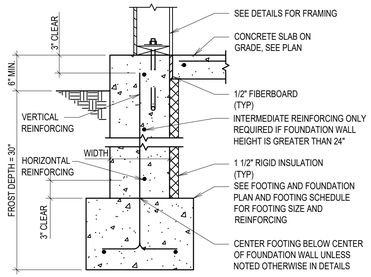
CLEAR OPENING	SIZE OF ANGLE
UP TO 7'-0"	3 1/2" x 3 1/2" x 1/4"
7'-1" TO 9'-0"	5" x 3 1/2" x 1/4"
9'-1" TO 10'-0"	5" x 3 1/2" x 5/16"
10'-1" TO 11'-0"	5" x 3 1/2" x 3/8"
11'-1" TO 12'-0"	6" x 4" x 3/8"
12'-1" AND OVER	REQUIRES SPECIAL ANALYSIS
	ANGLES ARE TO BE HOT DIPPED GALVANIZED AND "PAINTED".



NOTE:
LINTELS CARRY BRICK OR STONE ONLY. WHERE FLOORS, ROOFS, OR CONCENTRATED LOADS OCCUR ABOVE, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" EACH SIDE OF OPENING. USE THIS SCHEDULE UNLESS OTHERWISE NOTED.

SCHEDULE C

CONCRETE FOUNDATION WALL SCHEDULE



NOTE: FOOTING SHOWN IS CONCEPTUAL ONLY

MARK	WIDTH	HORIZONTAL REINF.			VERTICAL REINF.	
		TOP	INTERMEDIATE	BOTTOM	SIZE	SPACING
CW-4	4"	(1) #4	#4 AT 12" O.C.	(1) #4	#4	16" O.C.
CW-10	10"	(1) #4	#4 AT 12" O.C.	(1) #4	#4	16" O.C.
CW-12	12"	(2) #4	(2) #4 AT 12" O.C.	(2) #4	#4	16"O.C. EF
CW-16	16"	(2) #4	(2) #4 AT 12" O.C.	(2) #4	#4	12"O.C. EF

SCHEDULE D

FRAMING NAILING REQUIREMENTS

(REFER TO 2012 IBC TABLE 2304.9.1)

CONNECTION AND LOCATION	NAILING	CONNECTION AND LOCATION	NAILING
JOIST TO SILL OR GIRDER (TOENAIL)	3- 8d COMMON (2½"x0.131") 3- 3"x0.131" NAILS	DOUBLE STUDS (FACE NAIL)	16d (3½"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 8" O.C.
BRIDGING TO JOIST (TOENAIL EACH END)	2- 8d COMMON (2½"x0.131") 2- 3"x0.131" NAILS	DOUBLE TOP PLATES (TYPICAL FACE NAIL)	16d (3½"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C.
1"x6" SUBFLOOR OR LESS TO EACH JOIST FACE NAIL)	2- 8d COMMON (2½"x0.131")	DOUBLE TOP PLATES (LAP SPLICE)	8- 16d COMMON (3½"x0.162") 12- 3"x0.131" NAILS
WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST (FACE NAIL)	3- 8d COMMON (2½"x0.131")	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE (TOENAIL)	3- 8d COMMON (2½"x0.131") 3- 3"x0.131" NAILS
2" SUBFLOOR TO JOIST OR GIRDER (BLIND AND FACE NAIL)	2- 16d COMMON (3½"x0.162")	RIM TO TOP PLATE (TOENAIL)	8d (2½"x0.131") AT 6" O.C. 3"x0.131" NAILS AT 6" O.C.
SOLE PLATE TO JOIST OR BLOCKING (TYPICAL FACE NAIL)	16d (3½"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C.	TOP PLATES, LAPS AND INTERSECTIONS (FACE NAIL)	2- 16d COMMON (3½"x0.162") 3- 3"x0.131" NAILS
SOLE PLATE TO JOIST OR BLOCKING AT BRACE WALL PANEL (BRACED WALL PANELS)	3- 16d (3½"x0.135") AT 16" O.C. 4- 3"x0.131" NAILS AT 16" O.C.	CONTINUOUS HEADER, TWO PIECES (16" O.C. ALONG EDGE)	16d COMMON (3½"x0.162")
TOP PLATE TO STUD (END NAIL)	2- 16d COMMON (3½"x0.162") 3- 3"x0.131" NAILS	CEILING JOISTS TO PLATE (TOENAIL)	3- 8d COMMON (2½"x0.131") 3- 3"x0.131" NAILS
STUD TO SOLE (SILL) PLATE (TOENAIL)	4- 8d COMMON (2½"x0.131") 4- 3"x0.131" NAILS	CONTINUOUS HEADER TO STUD (TOENAIL)	4- 8d COMMON (2½"x0.131")
(END NAIL)	2- 16d COMMON (3½"x0.162") 3- 3"x0.131" NAILS	DOUBLE SILL PLATES (FACE NAIL, STAGGER)	10d COMMON AT 12" O.C. EACH FACE
		BUILT-UP CORNER STUDS	16d (3½"x0.162") AT 24" O.C. 3"x0.131" NAILS AT 16" O.C.

ALL FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.

SCHEDULE F

REQUIRED NAIL TYPES

NOTES:

1. ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN BELOW UNLESS NOTED OTHERWISE; NAILS FOR 3RD PARTY HARDWARE SHALL BE AS REQUIRED BY MANUFACTURER OF HARDWARE.
2. ALL FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.
3. LENGTH OF NAILS ATTACHING SHEATHING MAY BE REDUCED PROVIDED THAT THE MINIMUM PENETRATION NOTED BELOW IS MET.
4. NAILS USED IN SIMPSON HARDWARE (OR HARDWARE OF EQUAL VALUE) SHALL BE AS SPECIFIED BY THE MANUFACTURER.
5. OTHER FASTENERS MAY BE USED TO REPLACE NAILS BUT THEY MUST HAVE EQUIVALENT, OR LARGER, DIAMETERS AND PENETRATION LENGTHS.

ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN BELOW, UNLESS NOTED OTHERWISE.

NAIL SIZE	TYPE	STANDARD LENGTH (INCHES)	DIAMETER (INCHES)	MINIMUM PENETRATION REQUIRED (INCHES)
8d	COMMON	2 1/2	.131	1 3/8
10d	COMMON	3	.148	1 1/2
16d	BOX	3 1/2	.135	1 1/2

SCHEDULE G

CONCRETE PROTECTION FOR REINFORCEMENT

APPLICATION		MIN. CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	1. ALL APPLICATIONS EXCEPT SLABS ON GRADE	3"
	2. SLABS ON GRADE - CLEAR DISTANCE FROM TOP OF SLAB	1"
CONCRETE EXPOSED TO EARTH OR WEATHER	1. #6 BARS AND LARGER	2"
	2. #5 BARS AND SMALLER	1 1/2"
NOTES	1. TOLERANCE FOR CONCRETE COVER AND REINFORCEMENT LOCATION IS ±3/8"	

SCHEDULE H

LAP SPLICE SCHEDULE

#3	18"	#5	30"	#7	42"
#4	24"	#6	36"	#8	48"

SCHEDULE J

TYPICAL BLOCKING SCHEDULE

DOOR STOPS	STAIR BLOCKING
VISUAL DISPLAYS	DECORATIVE METAL BETWEEN WINDOWS
MARKER BOARDS	DRINKING FOUNTAINS
TACK BOARDS	WALL HUNG SINKS
BABY CHANGING STATIONS	ROSTRUM
EXIT SIGNS	DECORATION HOOKS
CHAIR RAIL	JANITOR SHELVING
COAT RACKS	RA VENTS AT ENTRIES
CABINETS	COLUMNS AT ENTRIES
SOUND PANELS	CAN LIGHTS AT ENTRIES
TOILET PARTITIONS	HYMN BOOK SHELVES
HANDICAP BARS	DIMMER SWITCHES IN GYM
BATHROOM ACCESSORIES	CURTAIN AT STAGE
TOWEL DISPENSORS	CURTAINS IN OFFICES
TOILET PAPER HOLDERS	JANITOR TAP AND HOSE HARDWARE
NAPKIN HOLDERS	FONT MIRRORS
SHELVES	FONT HANDRAILS
MIRRORS	FONT BENCHES
COUNTERS	CLOTHING HOOKS
COUNTER BRACKETS	FONT GLASS SCREEN
ACCESS PANELS	CHAIR STORAGE SHELVING
HANDRAILS	INTERIOR SOFFIT FOR SIX PIECE CORNICE
FIRE CABINETS	

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Revisions

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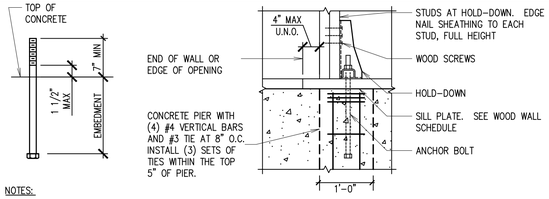
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SCHEDULES

Sheet
S603

SCHEDULE A

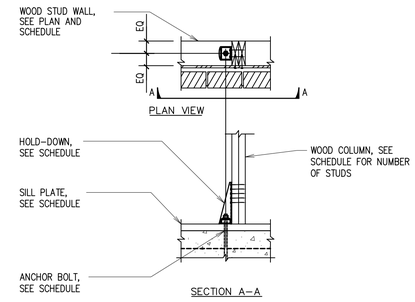
HOLD–DOWN (ANCHOR) SCHEDULE

MARK	SIMPSON HOLD–DOWN MODEL NO.	WOOD COLUMN/STUDS AT HOLD–DOWN (MINIMUM)	WOOD SCREWS SIMPSON 'SDS' 1/4" x 2 1/2"	ANCHOR BOLT DIAMETER	EMBEDMENT DEPTH	DETAIL
A–1	HDU2	2	10	5/8" DIA	0'–16"	A AND B/S604
A–2	HDU2	2	10	5/8" DIA	0'–16"	A/S604
A–3	HDU2	2	10	5/8" DIA	0'–16"	C/S604
A–4	HDU2	2	10	5/8" DIA	1'–0"	C/S604

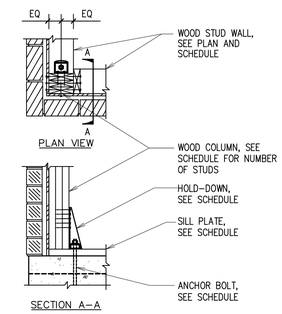


NOTES:

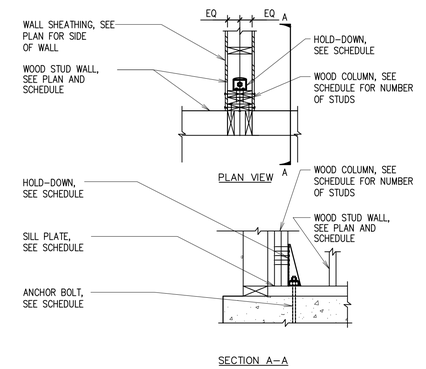
1. SIMPSON 'SSTB16' OR 'SSTB20' BOLTS MAY BE SUBSTITUTED FOR 5/8" DIA ANCHOR BOLTS IN THE ABOVE SCHEDULE (OR EQUAL).
2. SIMPSON 'SSTB28' OR 'SSTB34' BOLTS MAY BE SUBSTITUTED FOR 7/8" DIA ANCHOR BOLTS IN THE ABOVE SCHEDULE (OR EQUAL).
3. 5/8"DIA ANCHOR BOLTS MAY BE REPLACED WITH POST–INSTALLED ADHESIVE ANCHORS, POST–INSTALLED DRILLED–IN MECHANICAL ANCHORS (EXPANSION BOLTS) OR POST–INSTALLED SCREW ANCHORS. REFER TO SPECIFICATION SECTION 03 1511 FOR ACCEPTABLE PRODUCTS. POST–INSTALLED ANCHORS SHALL BE INSTALLED AS DEEP AS HAD BEEN REQUIRED FOR CAST–IN–PLACE ANCHOR BOLTS.
4. COMPARE THIS SCHEDULE TO SCHEDULES B/S602 AND C/S602. USE THE GREATER NUMBER OF STUDS REQUIRED.
5. ALL FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE–TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED
6. ALL WOOD COLUMNS TO BE NAILED OR BOLTED TOGETHER PER THE FIGURES IN B/S602 PRIOR TO HOLD–DOWN INSTALLATION.



A EXTERIOR CONTINUOUS FOOTING
NO SCALE



B EXTERIOR CORNER
NO SCALE



C INT WALL TO INT WALL INTERSECTION
NO SCALE

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25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
March 24, 2025

Sheet Title
SCHEDULES

Sheet
S604

FTG., FDN., ROSTRUM / PLATFORM, EQUIPMENT PLATFORM, ROOF LEGEND

DETAIL NUMBER
DETAIL SHEET

S——S INDICATES FOOTING STEP, SEE DETAIL D/S501.

INDICATES EXTERIOR CONCRETE WALL.

INDICATES WOOD STUD WALL.

INDICATES INTERIOR WOOD SHEAR WALL

INDICATES NON STRUCTURAL WOOD STUD WALL

INDICATES FLOOR SLAB IS DEPRESSED 2" FOR TILE/WOOD FLOOR SYSTEM, SEE STRUCTURAL DETAILS P/S501

INDICATES SIDE WHERE INTERIOR WOOD WALL SHEATHING IS TO BE INSTALLED.

–x INDICATES FLOOR OFFSET, INCHES, SEE DETAILS

INDICATES FLOOR FRAMING STEPS UP AT THIS AREA

INDICATES WOOD ROOF OR FLOOR SHEATHING, SEE SCHEDULE B/S601

INDICATES LOCATION OF SNOW DRIFTING

A–x INDICATES HOLDOWN TYPE, SEE SCHEDULE A/S604.

BOB INDICATES BOTTOM OF BEAM

BM–x INDICATES BEAM. SEE SCHEDULE C/S602.

C.J. INDICATES CONTROL / CONSTRUCTION JOINT, SEE DETAIL J/S501. (DO NOT USE CONTROL JOINTS IN INTERIOR CONCRETE SLABS ON GRADE)

CW–x INDICATES CONCRETE WALL. SEE SCHEDULE C/S603.

FC–X.X INDICATES CONTINUOUS CONCRETE FOOTING TYPE, SEE SCHEDULE A/S603.

FR–X.X INDICATES CONCRETE RECTANGULAR FOOTING TYPE, SEE SCHEDULE A/S603.

FS–X.X INDICATES CONCRETE SPOT FOOTING TYPE, SEE SCHEDULE A/S603.

SCL INDICATES STRUCTURAL COMPOSITE LUMBER SUCH AS LVL AND LSL.

SC–x INDICATES STEEL COLUMN. SEE SCHEDULE A/S605.

TR–x INDICATES WOOD TRUSS, SEE ELEVATIONS ON SHEETS S200, AND S201

TOF INDICATES TOP OF FOOTING

TOS INDICATES TOP OF SLAB

TOW INDICATES TOP OF WALL

WC–x INDICATES WOOD COLUMN. SEE SCHEDULE B/S602

Wx–x INDICATES WOOD WALL. SEE SCHEDULE A/S602.

ROSTRUM / PLATFORM, EQUIPMENT PLATFORM AND ROOF FRAMING NOTES

NOTES:

1. SEE DETAIL A/S521 FOR TYPICAL TOP PLATE SPLICE DETAIL.
2. SEE DETAIL B/S521 FOR TOP PLATE SPLICE DETAIL FOR PIPES THAT PENETRATE TOP PLATES.
3. SEE SCHEDULE C/S602 FOR BUILT–UP BEAM DETAIL.
4. SEE SCHEDULES ON SHEETS S601 AND S602 FOR WALL, ROOF, AND FLOOR NAILING REQUIREMENTS.
5. SEE DETAILS C/S521 AND D/S521 FOR SHEAR WALL PENETRATIONS. NOT SPECIFICALLY DETAILED
6. SEE ARCHITECTURAL PLANS FOR EQUIPMENT PLATFORM ELEVATIONS AND STEPS.
7. FOR UNMARKED INTERIOR HEADERS, USE (3) 2x6 FOR 2x6 WALLS AND (2) 2x6 FOR 2x4 WALLS. USE (1) BEARING AND (1) KING STUD.
8. SEE H/S521 FOR BRACING AT NON–BEARING WALLS.
9. ROOF FRAMING IS SYMMETRICAL ABOUT RIDGE LINE
10. OVER–BUILD FRAMING IS SYMETRICAL ABOUT RIDGE LINE
11. UNLESS NOTED OTHERWISE IN DETAILS FILL ALL HOLES (ROUND, TRIANGLE AND DIAMOND SHAPED) IN FRAMING CONNECTORS WITH THE FASTENERS SPECIFIED IN THE CONNECTION DETAILS

FOOTING AND FOUNDATION NOTES

NOTES:

1. SEE DETAIL A/S501 AND B/S501 FOR PIPES PERPENDICULAR AND PARALLEL TO FOOTING.
2. SEE DETAIL C/S501 FOR TYPICAL CORNER WALL REINFORCING AT CONCRETE WALLS.
3. SEE DETAIL E/S501 FOR SILL PLATES BOLTING DETAIL.
4. SEE B/S601 AND A/S602 FOR WALL/ROOF/FLOOR SHEATHING REQUIREMENTS.
5. SPIKE BUILT–UP COLUMNS TOGETHER. SEE B/S602 FOR DETAIL.
6. SEE DETAIL B/S521 TYPICAL TOP PLATES SPLICE DETAIL AT PIPES.
7. NO CONTROL JOINTS ARE ALLOWED IN THE INTERIOR FLOOR SLAB UNLESS APPROVED BY THE ARCHITECT.
8. ALL DIMENSIONS TO STUD WALL ARE TO FACE OF STUD WALL AND NOT TO SHEATHING.
9. BLOCK OUT FOR THRESHOLD AT DOOR. SEE ARCHITECTURAL PLANS.

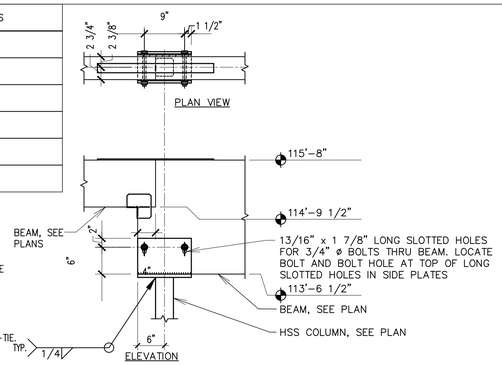
SCHEDULE A

STEEL COLUMN SCHEDULE

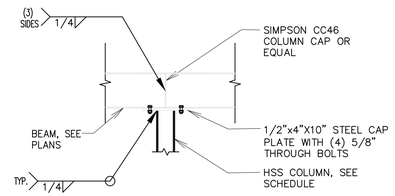
MARK	SIZE	STEEL BASE PLATE	STEEL CAP PLATE DETAIL	COMMENTS
SC–4A	HSS4x4x1/4	3/4" SBP–1	A2	
SC–3A	HSS3 1/2x3 1/2x5/16	3/4" SBP–2	A1	

STEEL COLUMN NOTES:

1. UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE INSTALLED WITH (4) 3/4" DIA ANCHOR RODS WITH 3" MINIMUM HOOKS. PROJECT ANCHOR RODS 3" MINIMUM ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" MINIMUM, UNLESS NOTED OTHERWISE. ALL RODS SHALL BE INSTALLED WITH HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE ROD DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. ANCHOR RODS SHALL NOT BE WELDED (INCLUDING TACK WELDS).
3. CONTRACTOR HAS THE OPTION TO USE EPOXY BOLTS INSTEAD OF CAST IN PLACE BOLTS. EPOXY BOLTS SHALL BE INSTALLED AS DEEP AS CAST IN PLACE BOLTS. THE EPOXY SHALL BE 'HIT RE 500–SD' BY HILTI CORPORATION, PR POWERS PW1000+' BY POWERS FASTENERS INC. OR 'SET–XP' BY SIMPSON STRONG–TIE.
4. SEE B/S502 FOR ADDITIONAL REQUIREMENTS.



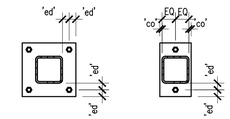
A1 WOOD BEAM BEARING AT STEEL COLUMN
NO SCALE



A2 DETAIL
NO SCALE

STEEL BASE PLATE TYPE:

BASE PLATE LEGEND
ed = 1 1/2" MINIMUM
co = 1/2" MINIMUM



BASE PLATE SBP–1

BASE PLATE SBP–2

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

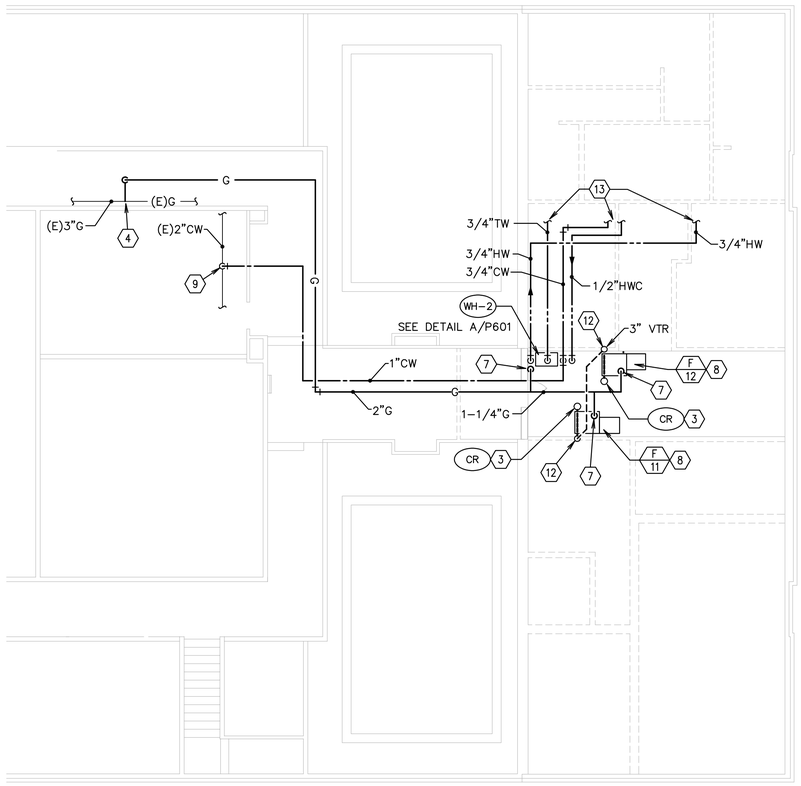
Revisions

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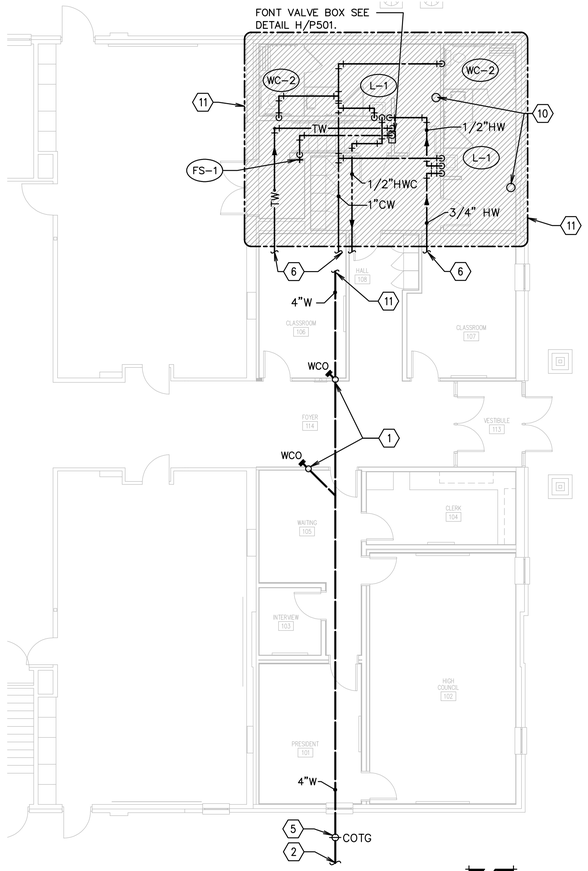
Sheet
S605



C EQUIPMENT PLATFORM PLUMBING PLAN

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

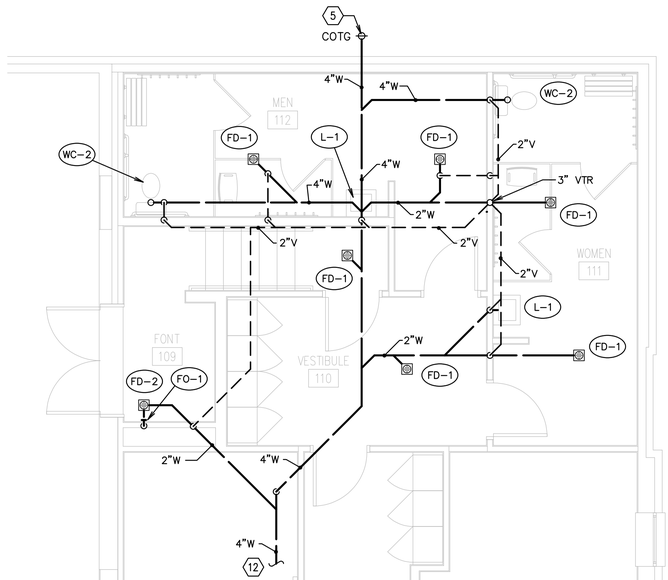
NORTH



A PLUMBING FLOOR PLAN

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

NORTH



B LARGE SCALE WASTE AND VENT PLAN

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

NORTH

GENERAL NOTES

1. ALL PLUMBING SHALL COMPLY WITH THE MOST STRINGENT OF APPLICABLE CODES, ORDINANCES, OR THE SPECIFICATIONS.
2. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
3. REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK AND CORRELATE ALL WORK TO FIT AVAILABLE SPACE.
4. GAS LINE TO BE RUN IN MECHANICAL EQUIPMENT ACCESS AREA OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR SHOWN.
5. WATER PIPING AND VENT PIPING SHALL BE RUN IN MECHANICAL EQUIPMENT ACCESS AREA OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR SHOWN.
6. FOR INDIVIDUAL LINE SIZES TO FIXTURES SEE PLUMBING FIXTURE SCHEDULE SHEET P601.
7. DO NOT RUN PLUMBING IN SHEAR WALLS UNLESS NOTED OTHERWISE.
8. DUE TO THE CLOSE PROXIMITY OF THE WATER, VENT AND DRAIN PIPING AS WELL AS DUCTWORK, EQUIPMENT, AND HVAC PIPING, THE PLUMBING CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH THE MECHANICAL AND SHEET METAL CONTRACTORS.
9. REFER TO MECHANICAL SHEETS FOR ANY ADDITION WORK.
10. COORDINATE EXACT LOCATION OF HW CIRCULATION PUMP OCCUPANCY SENSORS WITH ARCHITECT. LOCATE ON CEILINGS AWAY FROM LIGHTS, DIFFUSERS, GRILLES, AND FIRE SPRINKLER HEADS.

KEYED NOTES

1. 2" WASTE UP TO CONDENSATE RECEIVER (CR) COORDINATE WITH MECHANICAL DUCTWORK AND EQUIPMENT. REFER TO EQUIPMENT PLATFORM PLAN, THIS SHEET, FOR CONTINUATION.
2. SEE SITE UTILITY PLAN FOR CONTINUATION TO EXISTING EXTERIOR WASTE CONNECTION.
3. CONDENSATE RECEIVER. REFER TO DETAIL E/P501 (SIMILAR).
4. CONNECT NEW 2" GAS TO EXISTING 3" GAS MAIN NEAR THIS LOCATION (FIELD VERIFY EXACT LOCATION). REFER TO GAS PIPING SCHEMATIC, SHEET P601.
5. CLEAN OUT TO GRADE. SEE DETAIL A/P501.
6. REFER TO EQUIPMENT PLATFORM PLAN, C/P101, FOR CONTINUATION.
7. DROP BRANCH GAS PIPING DOWN TO FURNACE. SEE GAS PIPING SCHEMATIC, SHEET P601, FOR BRANCH SIZE. REFER TO DETAIL K/P501 FOR CONNECTION TO APPLIANCE.
8. REFER TO DETAIL A/M601 FOR CONDENSATE DRAINAGE PIPING FROM FURNACE, DX COIL, AND DRAIN PAN. ROUTE CONDENSATE DRAINAGE TO ADJACENT CONDENSATE RECEIVER (CR)
9. CONNECT NEW 1" CW TO EXISTING 2" CW NEAR THIS LOCATION. FIELD VERIFY EXACT LOCATION.
10. HARD-WIRED HW CIRCULATION PUMP OCCUPANCY SENSOR LOCATION. SEE GENERAL NOTE #10.
11. REFER TO LARGE SCALE WASTE AND VENT PLAN, B/P101, FOR CONTINUATION.
12. REFER TO PLUMBING FLOOR PLAN, A/P101, FOR CONTINUATION.

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

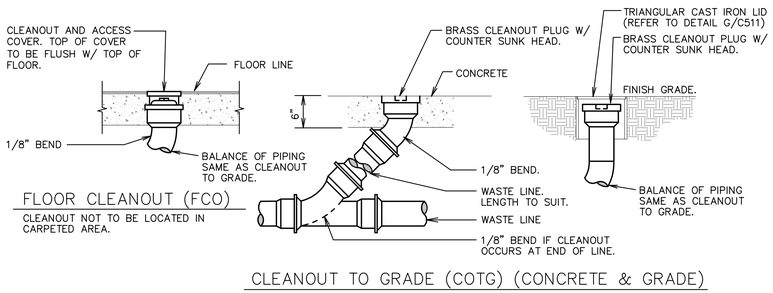
Revisions		
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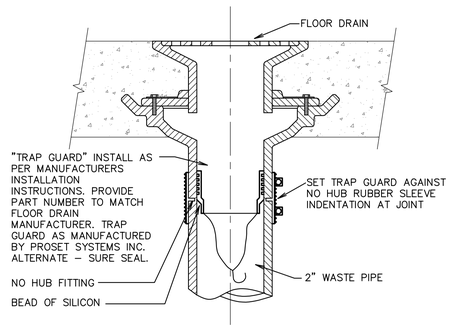
Sheet Title: PLUMBING PLAN

Sheet: P101

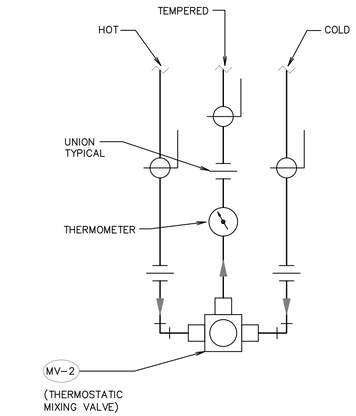
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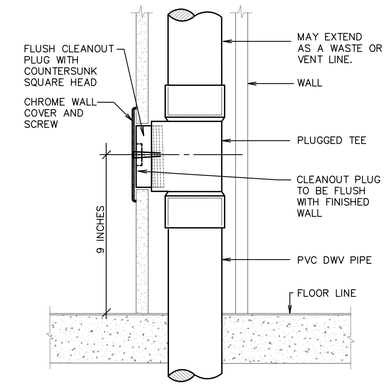
A CLEANOUT DETAILS
SCALE: NONE



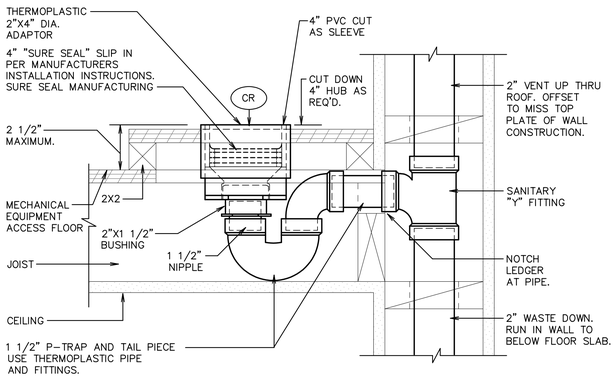
B TRAP GUARD TRAP SEAL DETAIL
SCALE: NONE



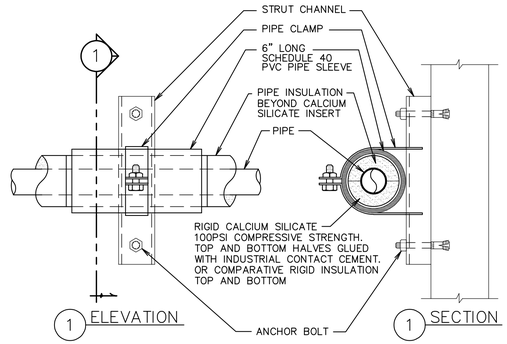
C MIXING VALVE PIPING SCHEME
SCALE: NONE



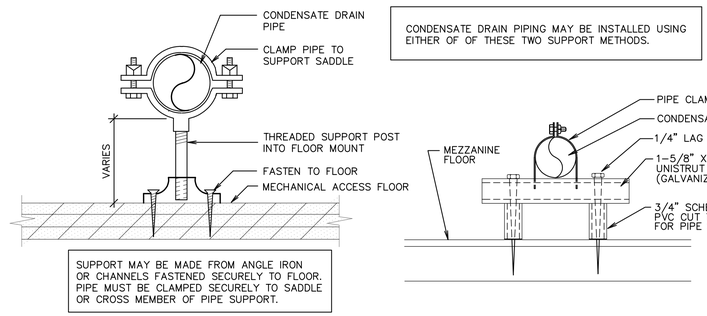
D WALL CLEANOUT DETAIL
SCALE: NONE



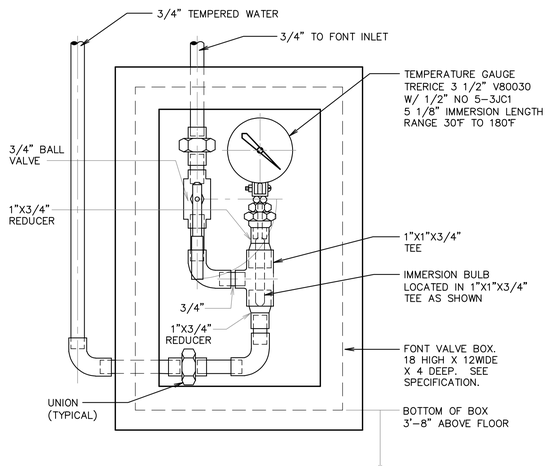
E CONDENSATE RECEIVER DETAIL
SCALE: NONE



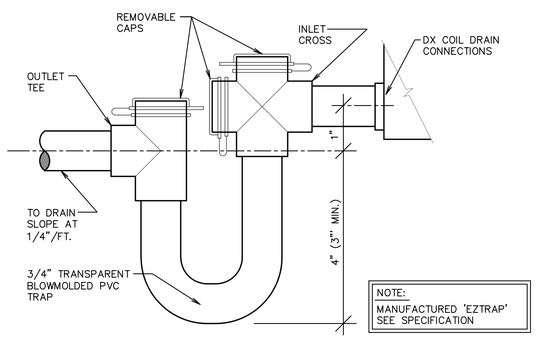
F WALL PIPE SUPPORT DETAIL
SCALE: NONE



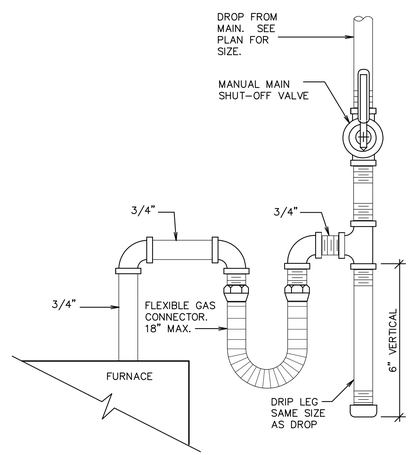
G CONDENSATE DRAIN PIPE SUPPORT DETAIL
SCALE: NONE



H FONT VALVE BOX DETAIL
SCALE: NONE



DX COIL
CONDENSATE DRAIN DETAIL
SCALE: NONE



K GAS LINE CONNECTION DETAIL
SCALE: NONE

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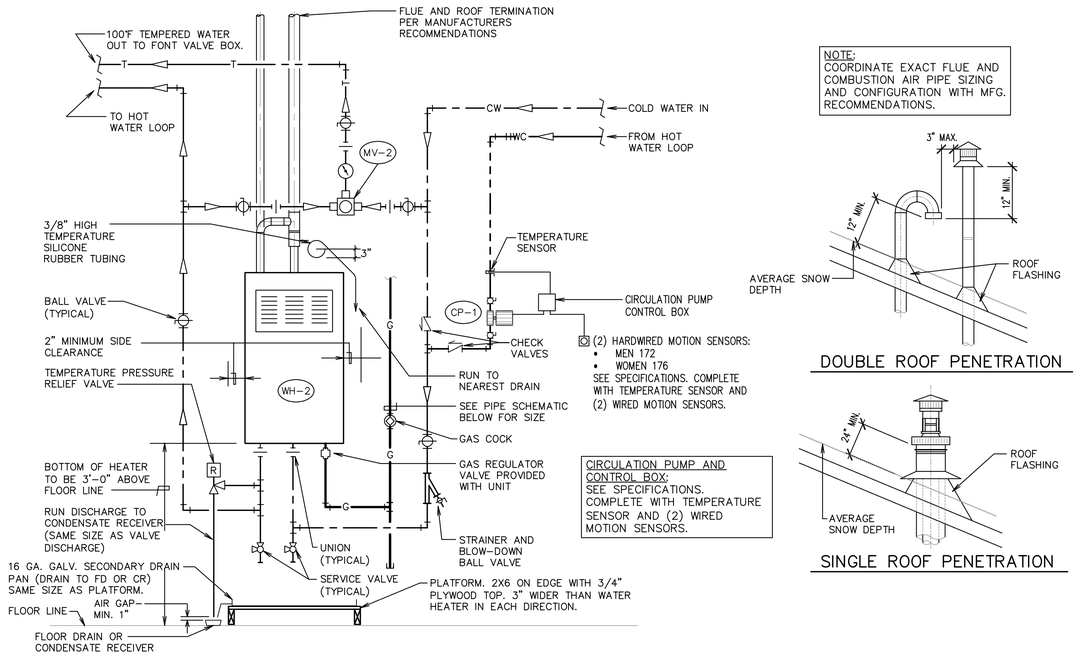
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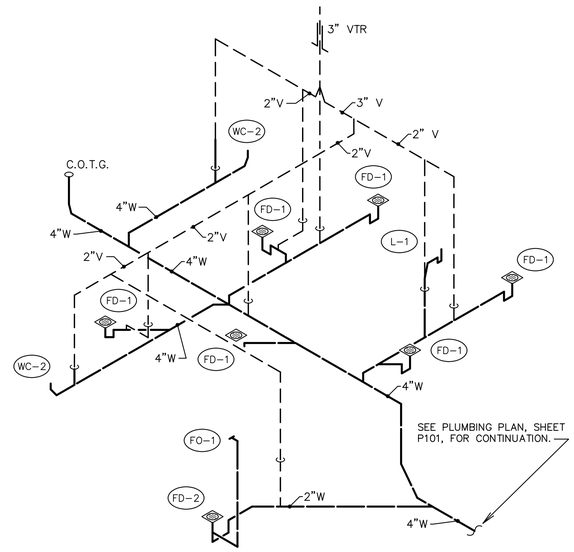
Sheet Title
PLUMBING DETAILS

Sheet
P501

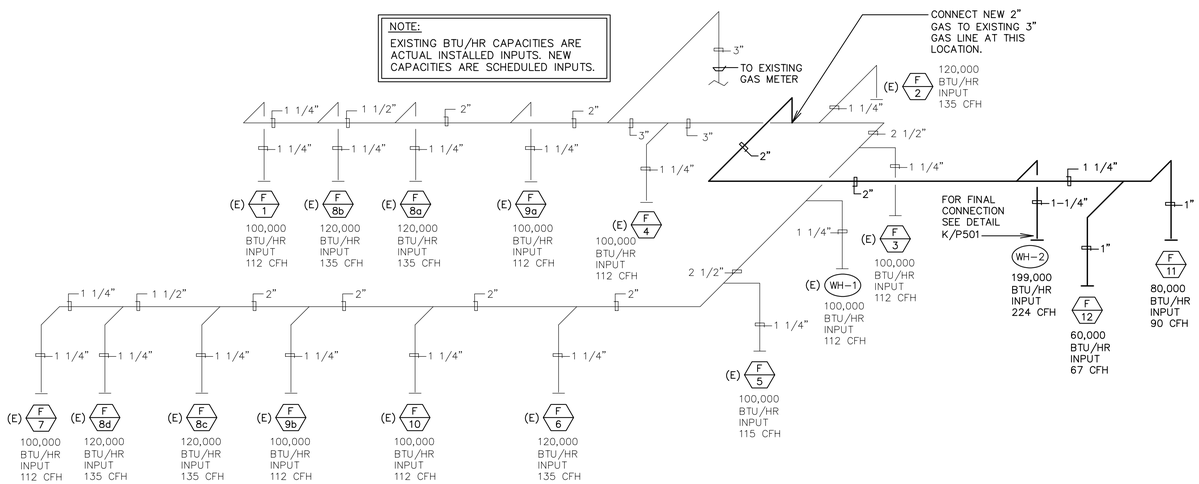
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A TANKLESS WATER HEATER PIPING DETAIL AND VENTING PENETRATION DETAILS
SCALE: NONE



B WASTE AND VENT PIPING SCHEME
SCALE: NONE



NATURAL GAS SCHEME
SCALE: NONE

SIZING BASED ON CURRENT IFGC

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	PIPE SIZE					REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.	
WC-2	WATER CLOSET	INT.	4"	2"	1/2"	–	FLUSH TANK, 18" RIM HEIGHT (ADA APPROVED), HET
L-1	LAVATORY	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	SELF SUPPORTING 20"X18", SEE ARCHITECTURAL ELEVATIONS (1) (2)
FD-1	FLOOR DRAIN	2"	2"	2"	–	–	WITH DEEP SEAL P-TRAP AND TRAP SEAL. SEE DETAIL B/P501
CR	CONDENSATE RECEPTOR	1-1/2"	1-1/2"	2"	–	–	SEE DETAIL E/P501, FIELD ASSEMBLED
WH-2	WATER HEATER	–	–	–	3/4"	3/4"	GAS FIRED, 199,000 BTU/HR. INPUT, SET DISCHARGE AT 120 F, DIRECT VENT, INSTANTANEOUS TYPE. SEE SPECIFICATIONS.
FS-1	FONT SUPPLY	–	–	–	3/4"	3/4"	SUPPLY OUTLET 3/4"
FO-1	FONT OVERFLOW	2"	2"	2"	–	–	SEE SPECIFICATIONS
FD-2	FONT DRAIN	2"	2"	2"	–	–	SEE SPECIFICATIONS
MV-1	MIXING VALVE	–	–	–	3/8"	3/8"	POINT OF USE MIXING VALVE MEETING ASSE 1070. REFER TO LAVATORY FIXTURE L-1.
MV-2	FONT MIXING VALVE	–	–	–	3/4"	3/4"	MOUNTED ADJACENT TO WH-2. SET DISCHARGE TEMP. AT 100° F. MEETS ASSE 1017. SEE DETAIL C/P501.
CP-1	CIRCULATE PUMP	–	–	–	–	1/2"	DOMESTIC WATER CIRCULATE PUMP. REFER TO WATER HEATER SPECIFICATION AND DETAIL A/P601. (3)

(1) PROVIDE POINT OF USE MIXING VALVE MV-1 MEETING ASSE 1070. MOUNT HIGH ON WALL BELOW LAVATORY.

(2) WHEN MOUNTED PER ARCHITECTURAL ELEVATIONS, ADA ACCESSIBILITY REQUIREMENTS ARE SATISFIED.

(3) POWER: 120V CONVENIENCE OUTLET ADJACENT TO PUMP BY DIVISION 26.

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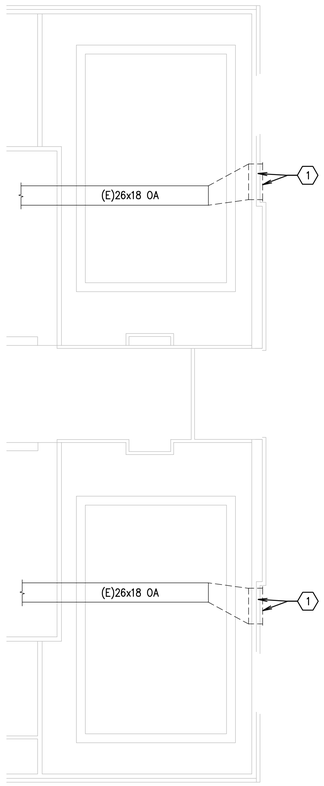
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PLUMBING FIXTURE SCHEDULE, PIPING SCHEMATICS, AND DETAILS

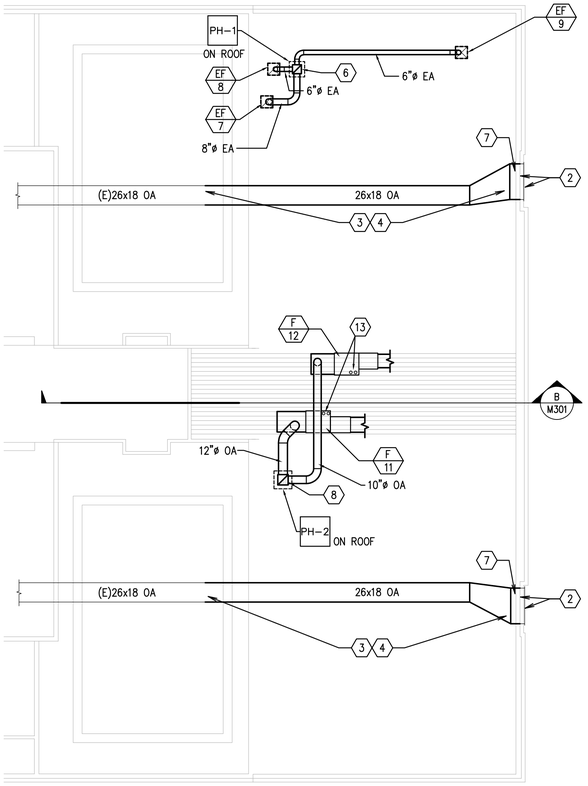
Sheet
P601

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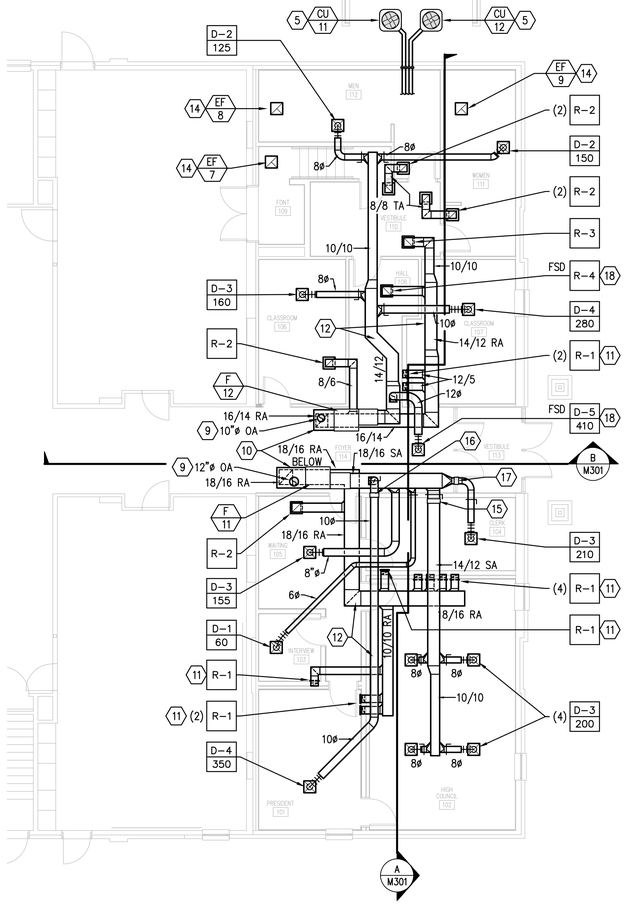
C MEZZANINE DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

NORTH



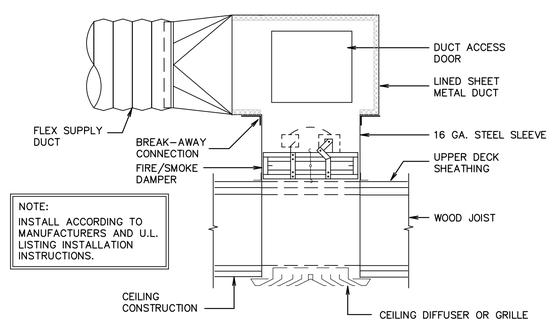
B NEW MECH ACCESS MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

NORTH



A NEW MAIN MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

NORTH



FIRE AND SMOKE DAMPER DETAIL
SCALE: NONE

A

DESIGN CONDITIONS	OUTSIDE	INSIDE
WINTER	0°F	70°F
SUMMER	98°F db, 64°F wb	75°F db, 64°F wb

L E G E N D

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BRANCH DUCT TAKE-OFF		FLEX. CONNECTION 6'-0" MAX LENGTH - SEE DETAIL J/M501
	SINGLE THICKNESS TURNING VANES		
	DUCT TRANSITION	SA	SUPPLY AIR
		RA	RETURN AIR
		OA	OUTSIDE AIR
	MOTORIZED DAMPER	TA	TRANSFER AIR
		EA	EXHAUST AIR
	BACK DRAFT DAMPER		
		AF	ABOVE FLOOR
	MANUAL VOLUME DAMPER	SL UP	SLOPE UP OR DN

GENERAL NOTES

1. DRAWINGS SHOW GENERAL ARRANGEMENT OF PIPING, DUCTWORK, EQUIPMENT, ETC. FOLLOW AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. INVESTIGATE STRUCTURAL AND FINISH CONDITIONS AFFECTING THIS WORK AND ARRANGE WORK ACCORDINGLY. PROVIDE SUCH FITTINGS, VALVES, AND ACCESSORIES REQUIRED TO MEET CONDITIONS.
2. ALL DUCT DIMENSIONS SHOWN ARE CLEAR DIMENSIONS INSIDE DUCT LINER.
3. DO NOT USE LINER INSIDE RETURN AIR DUCT RISERS IN 2"X6" WALLS.
4. WRAP ALL OUTSIDE AIR DUCTS WITH EXTERNAL INSULATION.
5. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF GRILLES AND DIFFUSERS.
6. ALL PVC EQUIPMENT VENTS, PLUMBING VENTS, AND PENTHOUSE EXHAUST VENTS SHALL BE PAINTED TO MATCH ROOF COLOR.
7. DO NOT ROUTE PIPES ABOVE ELECTRICAL PANELS. MAINTAIN CLEAR ACCESS SPACE IN FRONT OF ALL ELECTRICAL PANELS 4'-0" DEEP AND 6'-6" HIGH.

(#) KEYED NOTES

1. CAREFULLY REMOVE EXISTING INTAKE LOUVER AND RELATED DUCT TRANSITION AS SHOWN FOR RELOCATION. REFER TO MECHANICAL PLAN, THIS SHEET, FOR AREA OF RELOCATION.
2. REINSTALL EXISTING INTAKE LOUVER AND NEW DUCT TRANSITION AT THIS LOCATION.
3. EXTEND EXISTING OUTSIDE AIR DUCT FROM THIS LOCATION TO NEW LOCATION OF EXISTING INTAKE LOUVER AND NEW DUCT TRANSITION.
4. INSTALL DUCT WRAP AT NEW OUTSIDE AIR DUCT AS SPECIFIED.
5. AIR COOLED CONDENSING UNIT. REFER TO SHEET M502 FOR REFRIGERANT PIPING SCHEME AND DETAILS.
6. 12X12 EXHAUST UP TO PENTHOUSE ON ROOF. PROVIDE BACKDRAFT DAMPER AT INSULATION ENVELOPE PENETRATION. INSTALL DUCT WRAP AT ALL PORTIONS EXTENDING BELOW ENVELOPE.
7. INSTALL NEW PLENUM AT BACK OF RE-LOCATED INTAKE LOUVER. SLOPE BOTTOM OF PLENUM TOWARDS LOUVER WITH BOTTOM EDGE OF PLENUM EXTENDING OVER EXTERIOR MASONRY. LINE BOTTOM AND SIDES OF PLENUM WITH ICE AND WATER SHIELD.
8. 14"X14" UNLINED OUTSIDE AIR DUCT UP TO PENTHOUSE ON ROOF. INSTALL DUCT WRAP AT ALL PORTIONS EXTENDING BELOW ENVELOPE.
9. MINIMUM OUTSIDE AIR CONTROLS. REFER TO DETAIL K/M501. SEE B/M101 FOR CONTINUATION.
10. MAIN RETURN AIR DUCT FROM FURNACE INLET – FULL SIZE..
11. DROP 12X5 UNLINED RA DUCT DOWN WALL TO SIDEWALL RETURN AIR GRILLE.
12. ROUTE MAIN DUCTS BETWEEN ROOF TRUSSES. COORDINATE EXACT LOCATIONS. TYPICAL.
13. CONCENTRIC VENT AND COMBUSTION AIR PIPING UP THROUGH ROOF. REFER TO DETAIL L/M501.
14. CEILING EXHAUST FAN. SEE B/M101 FOR EXHAUST DISCHARGE DUCT ROUTING.
15. 14X12 ZONE DAMPER. REFER TO ATC DRAWINGS.
16. 10"ø ZONE DAMPER. REFER TO ATC DRAWINGS.
17. 8"ø ZONE DAMPER. REFER TO ATC DRAWINGS.
18. PROVIDE COMBINATION FIRE/SMOKE DAMPER AT RATED CEILING PENETRATION. REFER TO DETAIL A/M101. SEE DIV 26 FOR POWER TO ACTUATOR AND CONNECTION INTO EXISTING FIRE ALARM SYSTEM.

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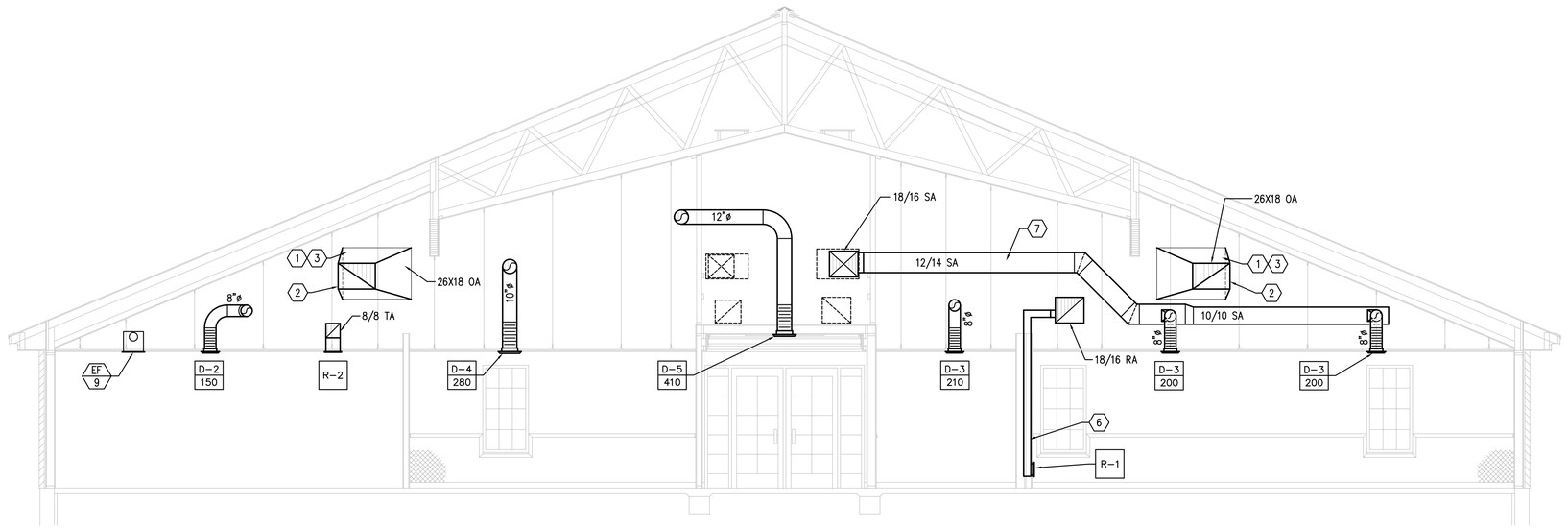
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions			
Mark	Date	Description	

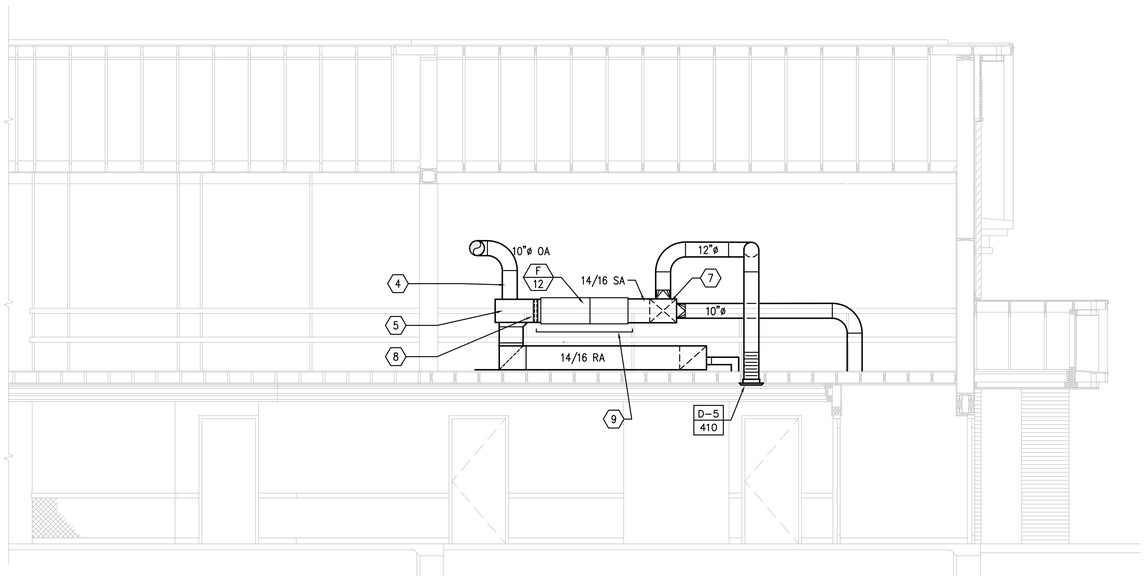
Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
MECHANICAL PLAN

Sheet
M101



A MECHANICAL SECTION
SCALE: 1/4" = 1'-0"



B MECHANICAL SECTION
SCALE: 1/4" = 1'-0"

KEYED NOTES

1. REINSTALL EXISTING LOUVER AND NEW DUCT TRANSITION AND PLENUM AT BACK OF NEW LOUVER LOCATION.
2. INSTALL DUCT WRAP AT NEW UNLINED OUTSIDE AIR DUCT AS SPECIFIED.
3. PROVIDE PLENUM AT BACK OF RE-INSTALLED LOUVER. SLOPE BOTTOM OF PLENUM TOWARDS LOUVER WITH BOTTOM EDGE OF PLENUM EXTENDING OVER EXTERIOR MASONRY. LINE BOTTOM AND SIDES OF PLENUM WITH ICE AND WATER SHIELD.
4. MINIMUM OUTSIDE AIR CONTROLS. REFER TO DETAIL K/M501. SEE B/M101 FOR CONTINUATION.
5. MAIN RETURN AIR DUCT FROM FURNACE INLET – FULL SIZE..
6. DROP 12X5 UNLINED RA DUCT DOWN WALL TO SIDEWALL RETURN AIR GRILLE.
7. ROUTE MAIN DUCTS BETWEEN ROOF TRUSSES. COORDINATE EXACT LOCATIONS. TYPICAL.
8. EXTERNAL FILTER RACK. REFER TO DETAIL H/M501. TYPICAL FOR BOTH NEW FURNACES.
9. SECONDARY DRAIN PAN BELOW FURNACE SYSTEM. REFER TO DETAIL A/M601. TYPICAL FOR BOTH NEW HORIZONTAL FURNACE SYSTEMS.

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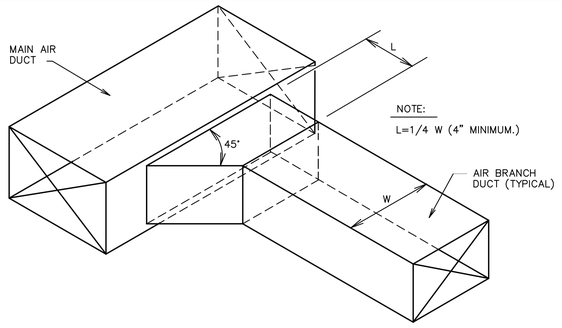
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MECHANICAL SECTIONS

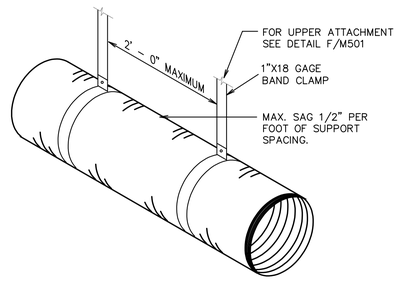
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M301

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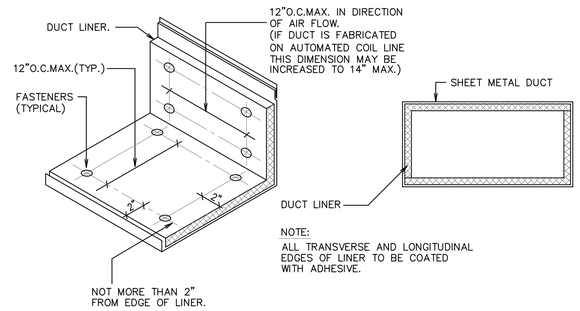
A SUPPLY OR RETURN AIR DUCT BRANCH CONNECTION DETAIL

SCALE: NONE



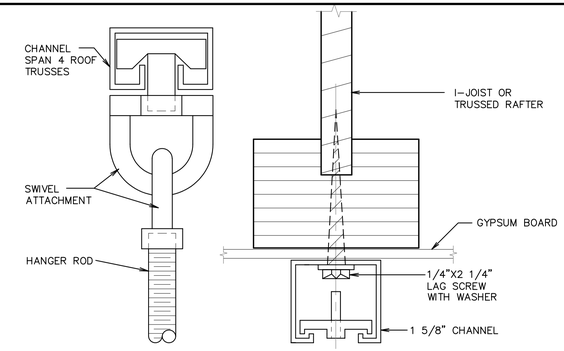
B FLEXIBLE DUCT SUPPORT DETAIL

SCALE: NONE



C DUCT LINER DETAIL

SCALE: NONE



D UPPER ATTACHMENT DETAIL

SCALE: NONE

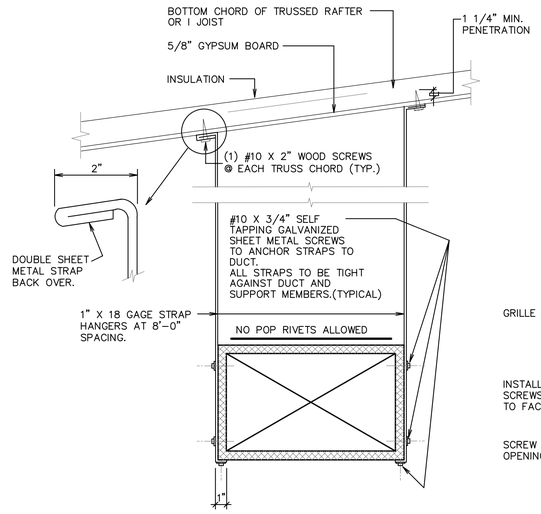
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1)						
		MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	AT JOINTS					
			MIN. H. IN.	DRIVE SLIP PLAIN S SLIP	HEMMED S SLIP	ALTER'NT BAR SLIP	REIN–FORCED BAR SLIP	
				RECOM–MENDED GAGE	RECOM–MENDED GAGE	RECOM–MENDED GAGE	RECOM–MENDED GAGE	
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24	
13 – 18	24	NONE REQUIRED	1	24	24	24	24	
19 – 30	24	1"X1"X1/8" @ 60 IN	1	–	24	24	24	
31 – 36	22	1"X1"X1/8" @ 60 IN	1	–	–	22	22	

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

(2) LONGITUDINAL JOINTS TO BE PITTSBURG OR SNAP LOCK TYPE.

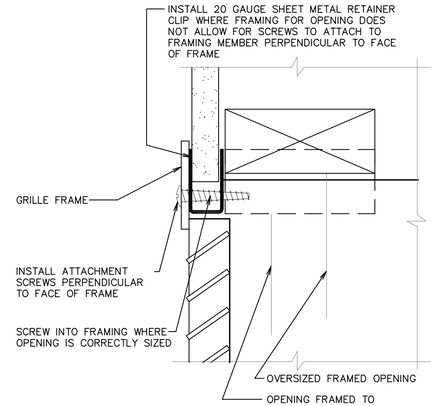
E DUCT CONSTRUCTION DETAIL

SCALE: NONE



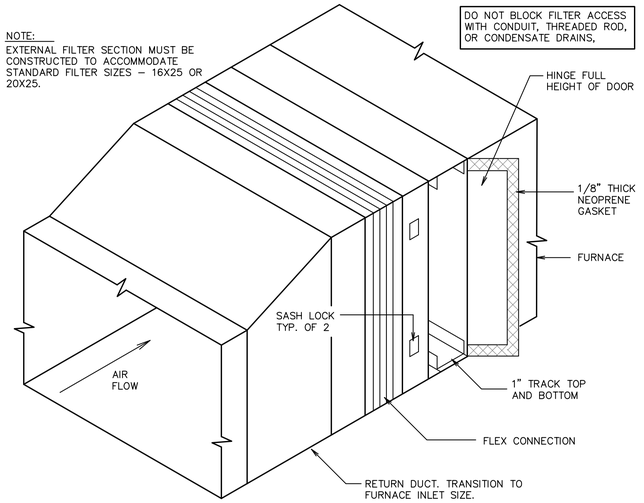
F DUCT STRAP HANGER DETAIL

SCALE: NONE



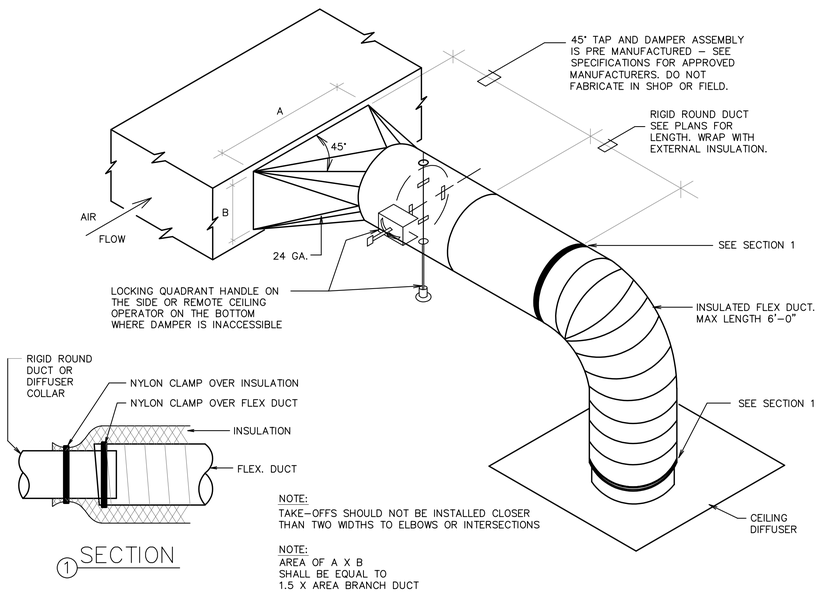
G GRILLE ATTACHMENT DETAIL

SCALE: NONE



H EXTERNAL FILTER SECTION DETAIL

SCALE: NONE



1 SECTION

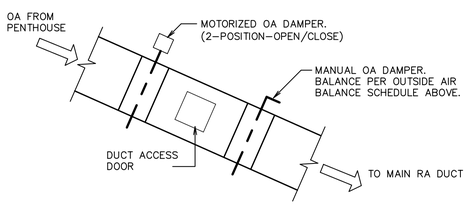
NOTE:
TAKE–OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS

NOTE:
AREA OF A X B SHALL BE EQUAL TO 1.5 X AREA BRANCH DUCT

J SQUARE TO ROUND TAKE–OFF DETAIL

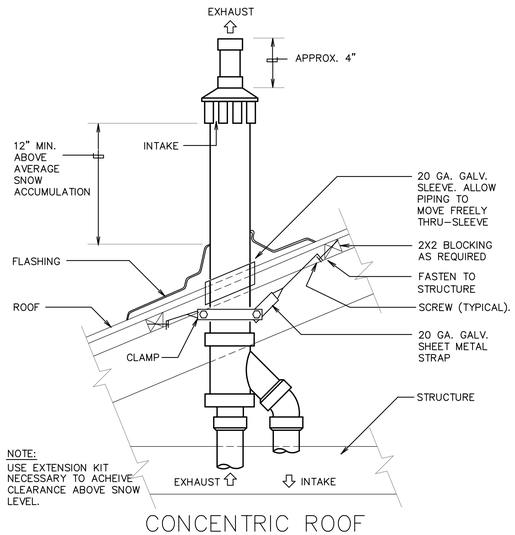
SCALE: NONE

OUTSIDE AIR BALANCE SCHEDULE							
	BALANCE TO CFM	MARK	BALANCE TO CFM	MARK	BALANCE TO CFM	MARK	BALANCE TO CFM
F 11	370	F 12	200				



K TYPICAL OUTSIDE AIR DUCT DETAIL

SCALE: NONE



NOTE:
USE EXTENSION KIT NECESSARY TO ACHEIVE CLEARANCE ABOVE SNOW LEVEL.

L CONCENTRIC ROOF TERMINATION DETAIL

SCALE: NONE

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions			
Mark	Date	Description	

Project Number
25-12

Plan Series
Stake Suite Addition

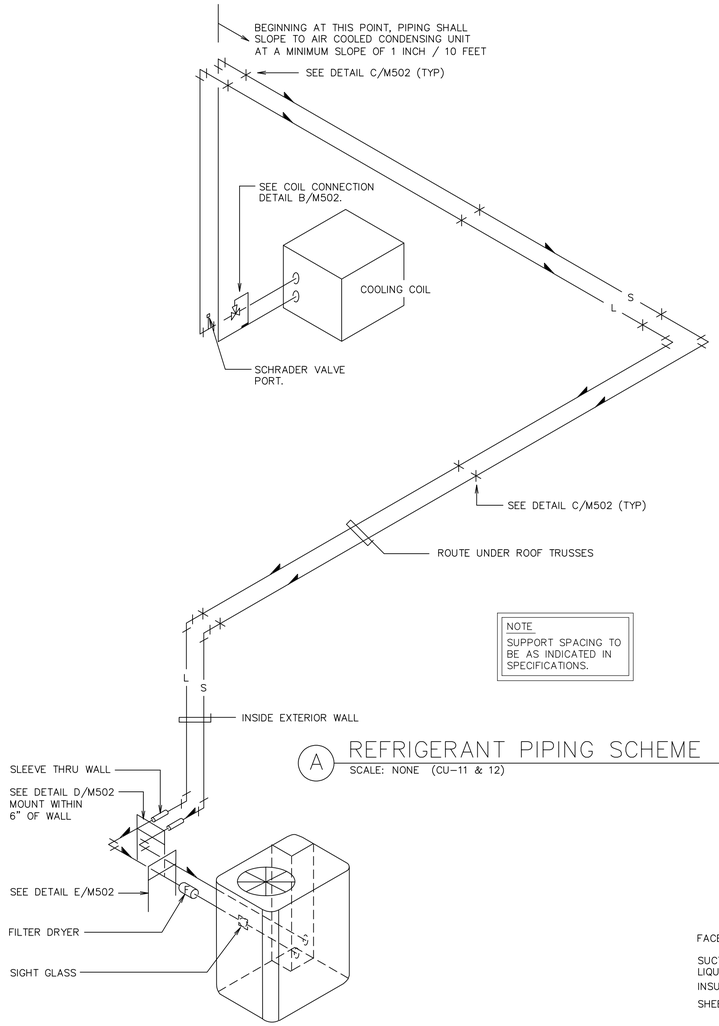
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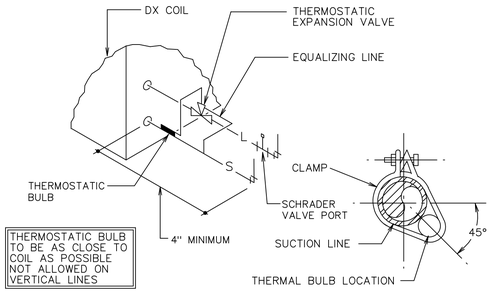
Sheet Title
MECHANICAL DETAILS

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M501

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A REFRIGERANT PIPING SCHEME
SCALE: NONE (CU-11 & 12)



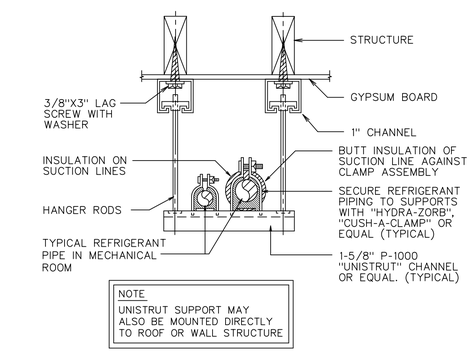
B REFRIGERANT COIL CONNECTION DETAIL
SCALE: NONE

REFRIGERANT PIPING LEGEND

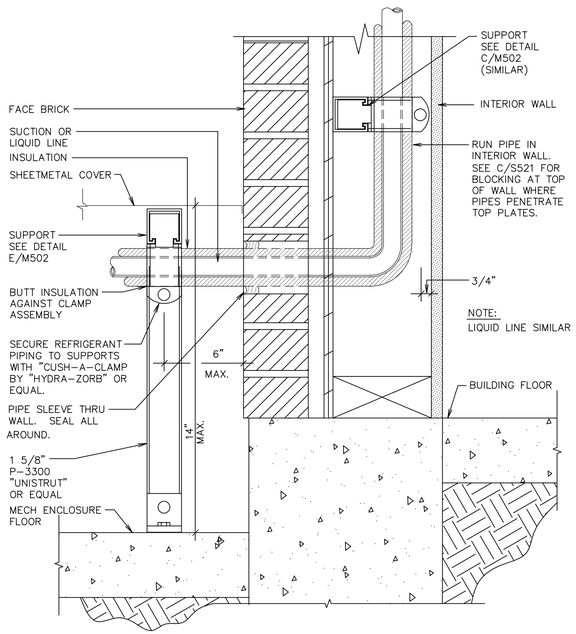
SYMBOL	DESCRIPTION
	EXPANSION VALVE. SEE DETAIL B/M502
	MOISTURE INDICATING SIGHT GLASS
F	FILTER DRIER
	PIPE SUPPORT. SEE DETAILS C/M502 AND D/M502
	EXTERIOR PIPE SUPPORT. SEE DETAIL E/M502
	DIRECTION OF SLOPE DOWN
S	SUCTION LINE
L	LIQUID LINE

REFRIGERANT LINE SIZES

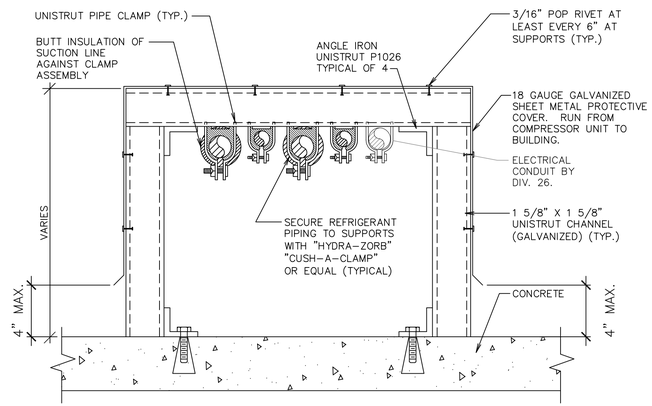
UNIT	LIQUID	SUCTION	REMARKS
CC 11	3/8"	1-1/8"	3.5 TON
CC 12	3/8"	7/8"	2.5 TON



C SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
SCALE: NONE



D REFRIGERANT PIPE SUPPORT AT WALL
SCALE: NONE



E EXTERIOR REFRIGERANT PIPE SUPPORT DETAIL
SCALE: NONE

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EXHAUST FAN SCHEDULE (2)(3)

MARK	SERVES ROOM	MIN. (1) A.C.F.M.	STATIC PRESSURE IN. W.G.	MINIMUM WATTS	REMARKS
EF 7	FONT 109	200	0.4	166W	PROVIDE BACK-DRAFT DAMPER
EF 8	MEN'S RESTROOM 112	75	0.4	81W	PROVIDE BACK-DRAFT DAMPER
EF 9	WOMEN'S RESTROOM 111	75	0.4	81W	PROVIDE BACK-DRAFT DAMPER

(1) SET BALANCE DAMPERS SHOWN ON M101 TO CFM LISTED

(2) CONTROL BY DIVISION 26.

(3) VOLTAGE IS 115V/1 PHASE/60HZ

GENERAL NOTES:

1. THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS. MOTOR NAME PLATE VOLTAGE SHALL BE NEMA STANDARD 200 VOLT FOR 208 VOLT THREE PHASE SYSTEM AND SHALL BE NEMA STANDARD 230 VOLT FOR 240 VOLT THREE PHASE OR SINGLE PHASE SYSTEM. STARTER HEATERS INSTALLED SHALL COORDINATED WITH THE NAME PLATE DATA.
2. S.C.F.M. LISTED IS STANDARD AIR. A.C.F.M. LISTED IS ACTUAL AIR AT ELEVATION NOTED.

DIFFUSER SCHEDULE (2)(4)

MARK	C.F.M. RANGE (1)	DIFFUSER SIZE	NECK CONN.	BLOW	PATTERN	AIR DIST./SIDE A (%)	AIR DIST./SIDE B (%)
D-1	60	6X6	6"ø	4 WAY	A B	25	25
D-2	125 – 150	9X9	8"ø	3 WAY	A B	38	31
D-3	155 – 210	9X9	8"ø	4 WAY	A B	25	25
D-4	280 – 350	12X12	10"ø	4 WAY	A B	25	25
D-5	410	12X12	12X12	4 WAY	A B	25	25

REGISTER,LOUVER & GRILLE SCHEDULE

MARK	TYPE	SERVICE	CFM RANGE (1)	NOMINAL SIZE	REMARKS (3)
R-1	SIDEWALL (5)(6)	RA	65-210	12X8	SERVICED BY 12X5 UNLINED R.A. DUCT IN WALL (9)(10)
R-2	CEILING (4)	TRANSFER AIR & RA	125-160	8X8	
R-3	CEILING (4)	RA	275	10X10	
R-4	CEILING (4)	RA	410	12X12	
PH-1	PENTHOUSE	EA	350	12X12 THROAT	(7)(8)
PH-2	PENTHOUSE	OA	570	14X14 THROAT	(7)(8)

REGISTER, LOUVER AND DIFFUSER SCHEDULE NOTES:

(1) MAXIMUM NC=25 @ MAXIMUM CFM NOTED.
(2) SHALL BE TITUS TDC TYPE 6 OR EQUAL BY OTHER APPROVED MANUFACTURERS. (SEE SPECIFICATIONS)
(3) SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
(4) FINISH SHALL BE OFF-WHITE BAKED ENAMEL.
(5) FINISH COLOR AS DIRECTED BY ARCHITECT, TO MATCH SURROUNDING SURFACE FINISH.
(6) RETURN AIR GRILLE TO BE MOUNTED 8" FROM FLOOR TO BOTTOM EDGE OF GRILLES.
(7) BAKED ENAMEL FINISH TO MATCH ROOF COLOR OR COLOR AS DIRECTED BY ARCHITECT.
(8) PROVIDE ALUMINUM BIRD SCREENS.
(9) BLADE ORIENTATION SHALL BE HORIZONTAL
(10) REFER TO DETAIL G/M501 FOR GRILLE INSTALLATION.

FURNACE SCHEDULE

MARK (2)	NO. REQ'D	MIN.REQ'D OUTPUT BTU/HR (1)	MINIMUM A.C.F.M.	EXT. S.P. IN.W.G.	MOTOR H.P.	MOTOR ø	MOTOR HERTZ	MOTOR VOLTS	MOTOR SPEED (5)	REMARKS
F 11	1	75,000	1575	0.60	0.75	1	60	115	(3)	59SC6A080M17 (4)
F 12	1	57,000	1125	0.60	0.50	1	60	115	(3)	59SC6A060M14 (4)

(1) SEA LEVEL CAPACITY.
(2) FURNACE MARKS CORRESPOND WITH CONDENSING UNIT AND COOLING COIL MARKS.
(3) FIXED-SPEEDS, CONSTANT TORQUE ECM MOTOR.
(4) CARRIER MODEL LISTED. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
(5) SET FAN MOTOR SPEED TAP TO LOWEST POSSIBLE SETTING REQUIRED TO ACHIEVE DESIGN AIRFLOW.

COOLING COIL SCHEDULE (1)

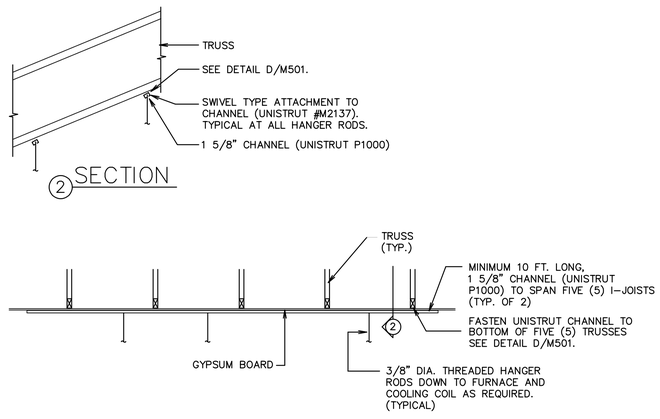
MARK (5)	NO. REQ'D.	CALCULATED LOAD TOT.MBH	CALCULATED LOAD SEN.MBH	COND.ENT.EVAP. DB °F	COND.ENT.EVAP. WB °F	A.C.F.M.	MAX. PR. DR. (3) IN.W.G.	S.C.F.M. (4)	REMARKS (2)
CC 11	1	30.9	30.9	82.7	62.9	1575	0.30	1340	CVAMA4321
CC 12	1	22.0	22.0	81.3	61.0	1125	0.25	957	CVAMA3617

(1) COMPLETE WITH FACTORY COIL BOX AND COIL
(2) CARRIER MODEL LISTED. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
(3) WET COIL
(4) SITE ELEVATION = 4400 FEET (0.851 CFM TRANSMISSION FACTOR)
(5) COOLING COIL MARKS CORRESPOND WITH FURNACE AND CONDENSING UNIT MARKS.

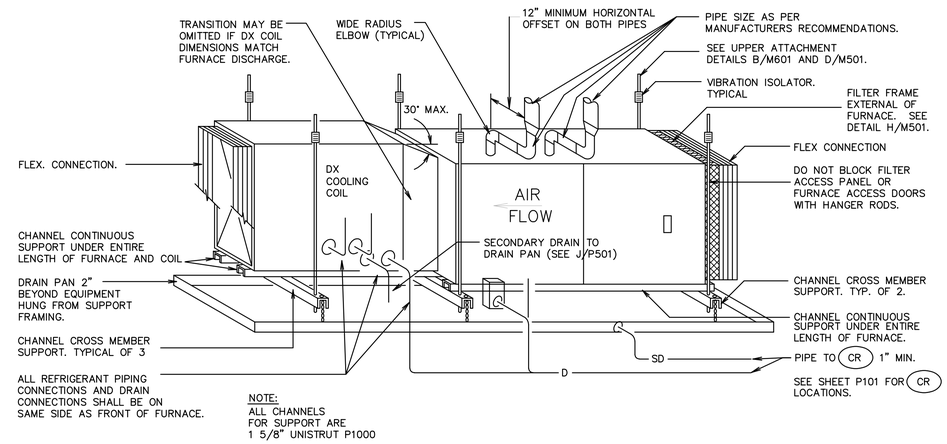
AIR COOLED CONDENSING UNIT SCHEDULE

MARK (3)	NO. REQ'D	AREA SERVED	MIN. (2) SIZE (TONS)	COMPRESSOR RATED LOAD AMPS (6)	MCA (6)	MOCP (6)	REMARKS
CU 11	1	STAKE SUITE	3.5	17.3	22.7	40	26SCA5 42 (1)(4)(5)
CU 12	1	FONT, RESTROOMS, & CLASSRMS	2.5	12.7	16.5	25	26SCA5 30 (1)(4)(5)

(1) REFRIGERANT R-454b; 40°F SUCTION TEMPERATURE.
(2) AT DESIGN CONDITIONS AND 98° ENTERING AIR TEMPERATURE TO CONDENSER.
(3) CONDENSING UNIT MARKS CORRESPOND WITH FURNACE AND COOLING COIL MARKS.
(4) CARRIER MODEL LISTED. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
(5) ELECTRICAL CHARACTERISTICS: 208V/1 PHASE/60 HZ.
(6) ELECTRICAL RATING FOR SCHEDULED CARRIER UNIT. COORDINATE ACTUAL RATING OF UNIT PROVIDED WITH DIVISION 26.



B / M601 UPPER SUPPORT DETAIL
NO SCALE



A / M601 HORIZONTAL FURNACE SUPPORT DETAIL
NO SCALE

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

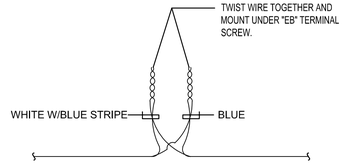
Revisions	Mark	Date	Description

Project Number 25-12
Plan Series Stake Suite Addition
Property Number 548-6467-24020101
Date May 5, 2025

Sheet Title
MECHANICAL SCHEDULES

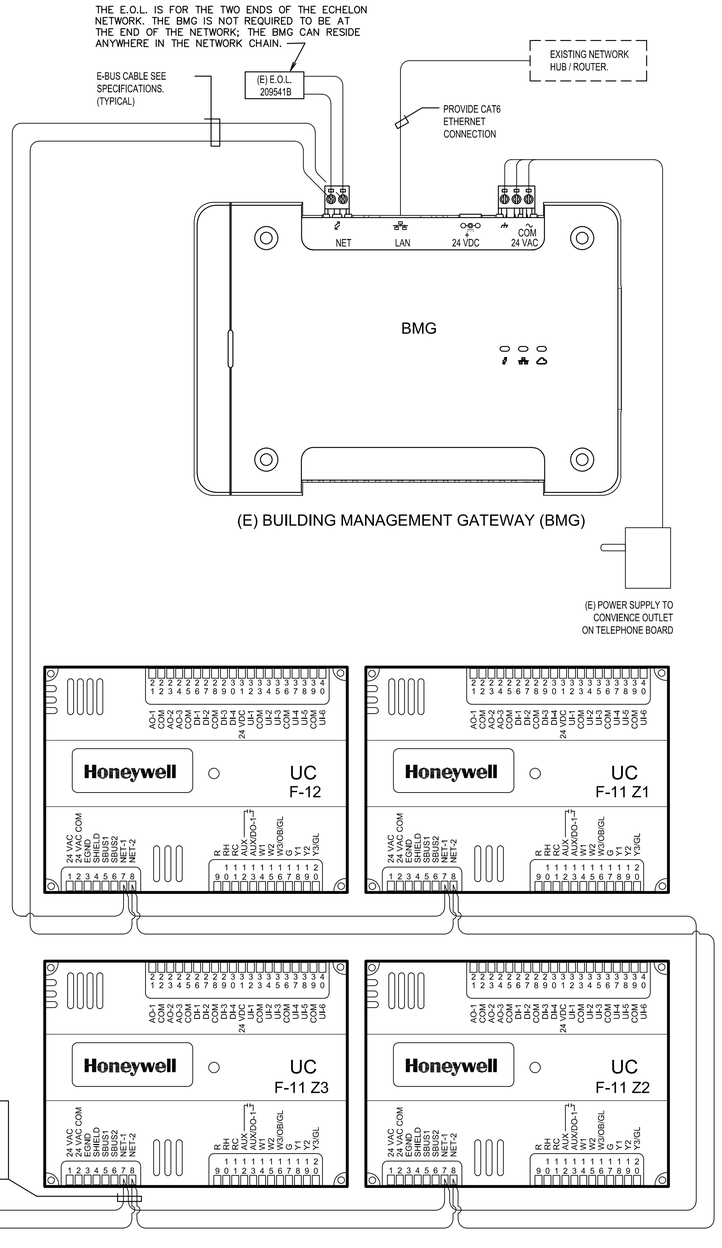
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E-BUS CONNECTION DETAIL (B)

NO SCALE

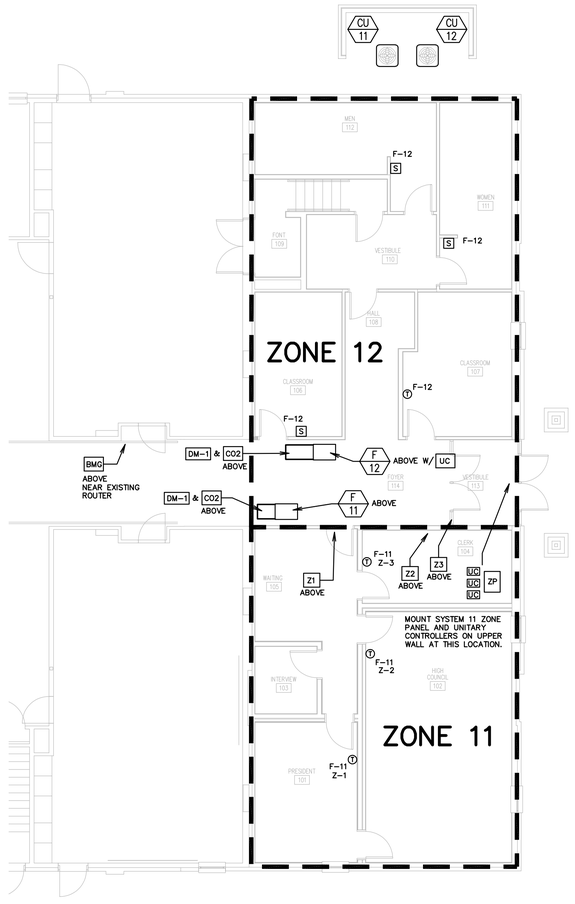


E-BUS WIRING DIAGRAM

CONTROL EQUIPMENT

MARK	DESCRIPTION	CAT. NO. (1)	MARK	DESCRIPTION	CAT. NO. (1)
BMG	EXISTING BUILDING MANAGEMENT GATEWAY	LGW1000 (GATEWAY) WPM-8000 (WALL PLUG)	DS	DUCT AIR SENSOR	C7041B2005
UC	UNITARY CONTROLLER	YCRL64385R1000	EBUS	ECHELON NETWORK CABLE	W221P-2001B
T	THERMOSTAT WALL MODULE	THP2400A1027W	DM-1	DAMPER MOTOR TWO POSITION	MS8105A1030
	THERMOSTAT COVER PLATE ASSEMBLY	50002883-001	X-2	TRANSFORMER 120, 208, 240V/24V 50VA	AT150F1022
S	REMOTE SENSOR	TR40	RIB	TWO POLE RELAY	RIBU1C (2)
CO_2	CO_2 SENSOR DUCT MOUNTED	C7232B1006			
ZP-1	ZONING PANEL (3 ZONES)	HZ432	Z*	ZONE DAMPER (*=ZONE NUMBER)	ZD or ARD (3)

(1) ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.
(2) SEE SPECIFICATIONS
(3) SEE PLAN FOR REQUIRED SIZE AND ZONE NUMBER.



AUTOMATIC TEMPERATURE CONTROL PLAN (A)

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

NORTH

CONTROL PLAN NOTES:

1. BOXES FOR THERMOSTAT AND SENSOR OUTLETS SHALL BE 2"X4" WITH LONG DIMENSION VERTICAL. USE METAL BRACKET OF COVER PLATE ASSEMBLY TO MOUNT THERMOSTAT HORIZONTAL.
2. CONDUIT TO BE 1/2" UNLESS NOTED OTHERWISE.
3. TEMPERATURE CONTROL WIRING THAT IS NOT IN CONDUIT SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING CONSTRUCTION LINES. SEE SPECIFICATIONS FOR ACCEPTABLE FASTENING METHODS AND MAXIMUM ALLOWABLE SPACING BETWEEN FASTENERS.
4. TEMPERATURE CONTROL WIRING THAT IS NOT IN CONDUIT SHALL BE LABELED. PROVIDE A LABEL AT ALL POINTS WHERE TEMPERATURE CONTROL WIRING ENTERS CONDUIT AND AT CONNECTIONS TO DEVICES.
5. SEAL OPEN END OF CONDUIT AIR-TIGHT AROUND THERMOSTAT WIRE WITH SEALANT COMPOUND. SEE SPECS FOR APPROVED PRODUCT.
6. SEAL ANNULAR SPACE BETWEEN CONDUIT AND OPENING IN FLOOR OR WALL WITH SEALANT COMPOUND. SEE SPECS FOR APPROVED PRODUCT.
7. SEAL OPEN END OF CONDUIT AT J-BOX AIR TIGHT AROUND THERMOSTAT WIRE. SEAL ALL AIR GAPS AROUND J-BOX TO ISOLATE J-BOX FROM WALL CAVITY. SEAL BACK OF THERMOSTAT AROUND WIRES. PACK J-BOX TIGHT WITH GLASS FIBER BATT INSULATION. USE SEALING COMPOUND SPECIFICALLY MADE FOR REFRIGERATION AND AIR CONDITIONING APPLICATIONS. SEE SPECIFICATIONS FOR APPROVED PRODUCTS.

SYMBOLS

- BMG — BUILDING MANAGEMENT GATEWAY LOCATE ADJACENT TO NETWORK HUB/ROUTER FOR CONNECTION. FIELD VERIFY EXACT LOCATION OF HUB/ROUTER.
- S — AVERAGING SENSOR
- T — LCBS TOUCH SCREEN WALL MODULE (THERMOSTAT)
- UC — UNITARY CONTROLLER. MOUNT ON WALL AT EXISTING PROGRAMMABLE THERMOSTAT LOCATION.
- CO2 — CO_2 SENSOR (DIV 23) MOUNT ON MAIN RA DUCT UPSTREAM OF OA DUCT CONNECTION
- DM-1 — 2-POSITION DAMPER MOTOR (DIV 23) MOUNTED ON MINIMUM OA DAMPER
- ZP-1 — 3 ZONE PANEL (DIV 23)
- Z* — ZONE DAMPER

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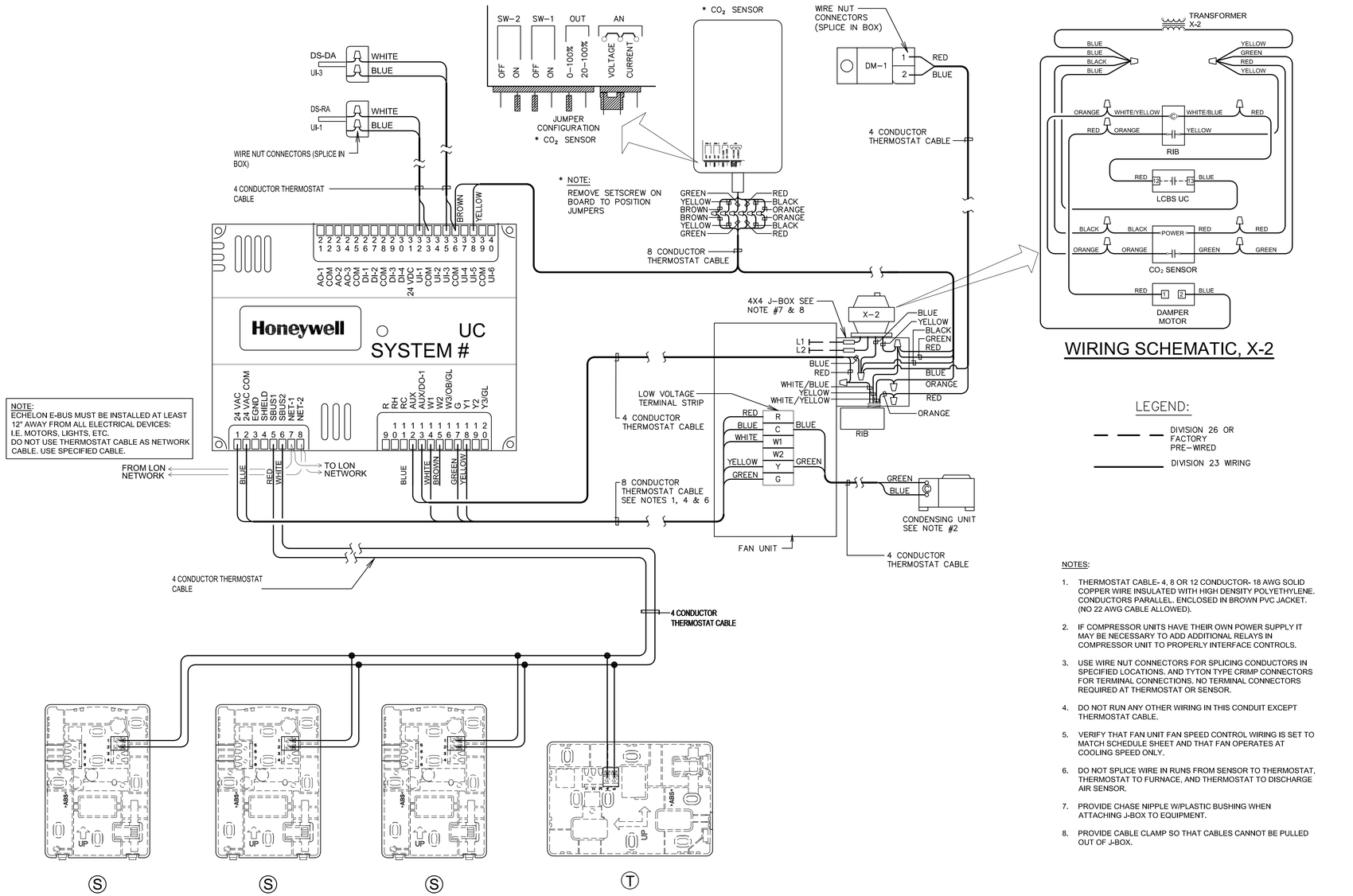
Project for:
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Revisions		
Mark	Date	Description

Project Number 25-12
Plan Series Stake Suite Addition
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Sheet Title
AUTOMATIC TEMPERATURE CONTROLS

Sheet
ME101



WIRING DIAGRAM

SYSTEM: F–12

WIRING SCHEMATIC, X-2

LEGEND:

- — — — DIVISION 26 OR FACTORY PRE–WIRED
- ——— DIVISION 23 WIRING

NOTES:

1. THERMOSTAT CABLE- 4, 8 OR 12 CONDUCTOR- 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL. ENCLOSED IN BROWN PVC JACKET. (NO 22 AWG CABLE ALLOWED).
2. IF COMPRESSOR UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN COMPRESSOR UNIT TO PROPERLY INTERFACE CONTROLS.
3. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS. AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
4. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
5. VERIFY THAT FAN UNIT FAN SPEED CONTROL WIRING IS SET TO MATCH SCHEDULE SHEET AND THAT FAN OPERATES AT COOLING SPEED ONLY.
6. DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO FURNACE, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
7. PROVIDE CHASE NIPPLE W/PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
8. PROVIDE CABLE CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.

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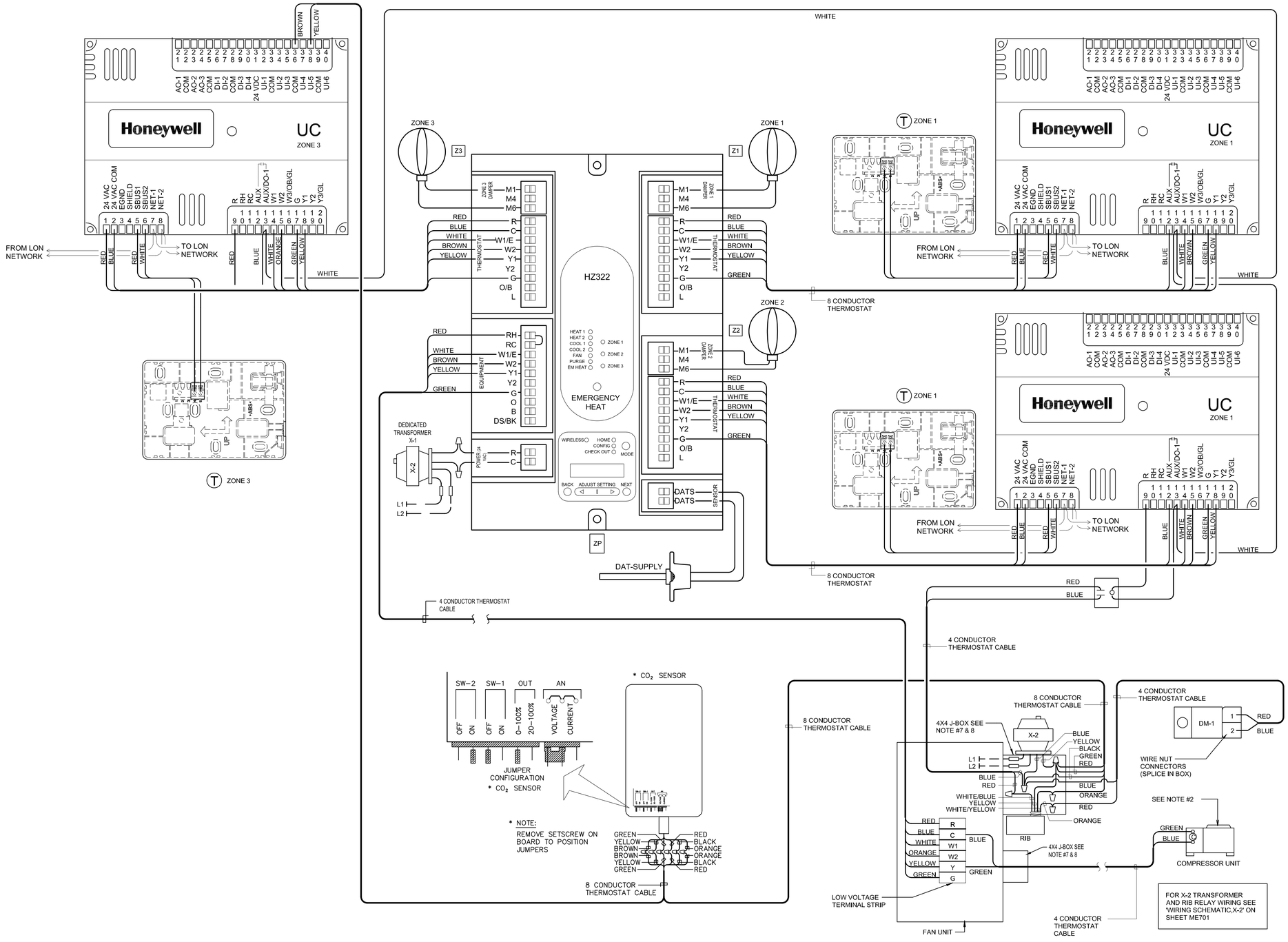
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WIRING DIAGRAM

SYSTEM: F-11

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Sheet Title
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WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
$	SINGLE-POLE TOGGLE SWITCH	+48"	
$^{a}	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
$_{2}	DOUBLE-POLE TOGGLE SWITCH	+48"	
$_{3}	THREE-WAY TOGGLE SWITCH	+48"	
$_{4}	FOUR-WAY TOGGLE SWITCH	+48"	
$_{K}	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
$_{P}	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
$_{DIM}	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
$_{TIM}	TIMER SWITCH	+48"	
$$	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
$^{a}_{LV}	LOW VOLTAGE MOMENTARY CONTACT SWITCH	+48"	
$_{3PM}	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
$_{3PN}	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
$_{OS}	WALL MOUNTED OCCUPANCY SENSOR SWITCH	+48"	
$^{2}_{OS}	DUAL RELAY WALL MOUNTED OCCUPANCY SENSOR SWITCH	+48"	
	OCCUPANCY SENSOR	AS NOTED	CEILING MOUNTED WITH SUBSCRIPT 'C'; WALL-MOUNTED WITH SUBSCRIPT 'W'
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE -- NEMA 14-50R DRYER -- NEMA 14-30R
	FOURPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP WITH DUPLEX RECEPTACLE		REFER TO DETAIL
(5-20R)	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

GEAR AND CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
$_{T}	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
	FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
	CIRCUIT BREAKER AND ENCLOSURE	TOP AT +48"-72"	
	MAGNETIC STARTER	TOP AT +48"-72"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	TOP AT +48"-72"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	TOP AT +48"-72"	
	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	TOP AT +48"-72"	
VFD	COMB. VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
RVS	REDUCED VOLTAGE STARTER	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3"D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +72"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6"D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +72"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEMI-QUOTES (I.E. 'L2A', 'MDP')
	SWITCHBOARD	FLOOR	
	METER BASE	TOP AT +72"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
	OPEN - STOP - CLOSE SWITCH	+60"	
T	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 23
	HAND - OFF - AUTO SWITCH	+60"	
GF	GROUND FAULT PROTECTION		

LIGHTING SYMBOLS

1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.
2. ARROWS INDICATE AIMING DIRECTION.

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IN AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
TC	TIME CLOCK	+60"	
	EMERGENCY LIGHT FIXTURE	AS NOTED	
P	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
XX	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
BDT	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
BDR	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
EOL	END OF LINE DEVICE	MANUFACTURER RECOMMENDED	
T	TAMPER SWITCH	AT VALVE	
W	WATER FLOW INDICATOR	ON FIRE RISER	
FSD	FIRE/SMOKE DAMPER		
	HEAT DETECTOR	CEILING	
	SMOKE DETECTOR	CEILING	
D	DUCT SMOKE DETECTOR	SIDE OF DUCT	
CO	CARBON DIOXIDE DETECTOR	CEILING	
F	FIRE ALARM MANUAL STATION	+48"	
Z	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
I	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
R	FAN SHUTDOWN RELAY	AT FAN CONTROL PANEL	
	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL
WF	WATER FLOOD INDICATOR	FLOOR	
H	AUDIO HORN	80" MIN AND 96" MAX; MEASURED FROM LENS. IF CEILING IS LESS THAN 80", MOUNT WITHIN 6" OF CEILING.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ. SUBSCRIPT 'C' INDICATES CEILING MOUNTING. NUMERIC SUBSCRIPT INDICATES CANDELLA RATING OF STROBE (I.E. - 15, 75, 110)
M	MINI AUDIO HORN		
S	FIRE ALARM VISUAL STROBE		
HS	FIRE ALARM AUDIO/VISUAL HORN/STROBE		
MS	MINI AUDIO/VISUAL HORN/STROBE		
SP	FIRE ALARM AUDIO SPEAKER		
SS	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
B	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 26

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES

1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.

GENERAL SYMBOLS

SYMBOL	DESCRIPTION	REMARKS
XX	KEYED NOTE	
1 / E-1	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE DETAIL IS SHOWN.
2 / E-2	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
3 / E-3	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE SECTION IS SHOWN.
100	ARCHITECTURAL ROOM NUMBER	
AHU 1	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
1	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	REVISION CLOUD	USED TO DENOTE AREAS, DEVICES, EQUIPMENT DETAILS, ETC. AFFECTED BY REVISION.
	BREAKLINE	USED TO BREAK DRAWINGS.

ELECTRONIC SYSTEM GENERAL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
PANEL NAME	ELECTRONIC SYSTEM PANELBOARD (SURFACE MOUNT)	TOP AT 72"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO, TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS CONTROL, SECURITY, CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
PANEL NAME	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP AT 72"	
	ELECTRONIC SYSTEM TERMINAL BOARD	TOP AT 72"	

TELEPHONE / DATA SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEPHONE OUTLET	+18"	
	DATA OUTLET	+18"	
	COMBINATION TELEPHONE/DATA OUTLET	+18"	
	TELEPHONE TERMINAL BOARD	TOP AT 72"	

ACCESS CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
REX	REQUEST-TO-EXIT MOTION DETECTOR	CEILING	
S	ELECTROMAGNETIC DOOR STRIKE	DOOR	
D	MAGNETIC DOOR CONTACT SWITCH	DOOR	
M	MAGNETIC LOCK	DOOR	
KP	KEYPAD	+48"	
PK	PROXIMITY CARD READER / KEYPAD	+48"	
MK	MAGNETIC STRIP CARD READER / KEYPAD	+48"	
PR	PROXIMITY CARD READER	+48"	
MR	MAGNETIC STRIP CARD READER	+48"	

SECURITY SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
MD	MOTION DETECTOR	CEILING	SUBSCRIPT DENOTES DEGREES OF MONITORED AREA
D	DURESS PUSH-BUTTON	BELOW DESK	
OHS	OVERHEAD MAGNETIC CONTACT DOOR SWITCH	DOOR	
D	MAGNETIC CONTACT DOOR SWITCH	DOOR	
GB	GLASS BREAK DETECTOR	CEILING	
S	SIREN	+90"	

CLOSED CIRCUIT TELEVISION SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
FIX	CLOSED CIRCUIT TELEVISION CAMERA (FIXED)	CEILING	
PTZ	CLOSED CIRCUIT TELEVISION CAMERA (PAN/TILT/ZOOM)	CEILING	
PTZ	CLOSED CIRCUIT TELEVISION CAMERA (HIGH SPEED DOME WITH PAN / TILT / ZOOM HEAD)	CEILING	
TV	CLOSED CIRCUIT TELEVISION MONITOR	DESK	
MATRIX	MATRIX SWITCHER	DESK	
	FIBER JUNCTION BOX	72" TO TOP OF BOX	

ABBREVIATION SCHEDULE

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

A	ABOVE COUNTER	LSI	LONG-TIME, SHORT-TIME INSTANTANEOUS
A	AMP OR AMPS	LSIG	LONG-TIME, SHORT-TIME INSTANTANEOUS GROUND FAULT
ADJ	ADJACENT	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	MBJ	MAIN BONDING JUMPER
AHJ	AUTHORITY HAVING JURISDICTION	MCA	MINIMUM CIRCUIT AMPS
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AUX	AUXILIARY	MV	MEDIUM VOLTAGE
AWG	AMERICAN WIRE GAUGE	MW	MICROWAVE
BAS	BUILDING AUTOMATION SYSTEM	NC	NORMALLY CLOSED
BLDG	BUILDING	NEC	NATIONAL ELECTRIC CODE
C	CONDUIT	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
CKT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	OC	ON CENTER(S)
CO	CONVENIENCE OUTLETS	OCP	OVER CURRENT PROTECTION
CU	COPPER	OCPD	OVER CURRENT PROTECTION DEVICE
DAS	DISTRIBUTED ANTENNA SYSTEM	PA	PUBLIC ADDRESS
(E)	EXISTING	PH	PHASE
EA	EACH	PV	PHOTOVOLTAIC
EG	EQUIPMENT GROUND	PWR	POWER
EGC	EQUIPMENT GROUNDING CONDUCTOR	QTY	QUANTITY
ELEC	ELECTRICAL	R	REMOVE
EM	EMERGENCY	REF	REFRIGERATOR
EMT	ELECTRIC METALLIC TUBING	REQ	REQUIREMENTS
ENT	ELECTRIC NONMETALLIC TUBING	RGC	RIGID GALVANIZED CONDUIT
EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
EWC	ELECTRIC WATER COOLER	RMP	ROCKY MOUNTAIN POWER
EXP	EXPLOSION PROOF	RNC	RIGID NONMETALLIC CONDUIT
FA	FIRE ALARM	RR	REMOVE AND RELOCATE
FACP	FIRE ALARM CONTROL PANEL	SBJ	SYSTEM BONDING JUMPER
FLA	FULL LOAD AMPS	SCP	SECURITY CONTROL PANEL
FMC	FLEXIBLE METAL CONDUIT	SFL	SUB-FEED LUGS
FO	FIBER OPTIC	SPD	SURGE PROTECTIVE DEVICE
FOB	FREIGHT ON BOARD	SS	SURGE SUPPRESSION
FTL	FEED-THROUGH LUGS	SSBJ	SUPPLY SIDE BONDING JUMPER
GEC	GROUNDING ELECTRODE CONDUCTOR	TGB	TELECOMMUNICATION GROUNDING BUS BAR
GND	GROUND CONDUCTOR	TMGB	TELECOMMUNICATION MAIN GROUNDING BUS BAR
HOA	HAND-OFF-AUTO	TR	TAMPER RESISTANT
HP	HORSE POWER	TTB	TELEPHONE TERMINAL BOARD
IBT	INTERSYSTEM BONDING TERMINATION BAR	TYP	TYPICAL
ID	INTRUSION DETECTION	UF	UNDER FLOOR
IG	ISOLATED GROUND	UG	UNDERGROUND
IMC	INTERMEDIATE METAL CONDUIT	UNO	UNLESS NOTED OTHERWISE
INS	INSULATED	USB	UNIVERSAL SERIAL BUS
ISO	ISOLATED	VSS	VIDEO SURVEILLANCE SYSTEM
KCMIL	KILO CIRCULAR MIL	W/	WITH
KVA	KILO VOLT AMPERES	WO/	WITHOUT
KW	KILOWATTS	WP	WEATHER PROOF
LFNC	LIQUID-TIGHT NONMETAL CONDUIT	WR	WEATHER RESISTANT
LS	LONG-TIME, SHORT-TIME	XFMR	TRANSFORMER

GENERAL PROJECT NOTES:

UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.

B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.

C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.

D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.

E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.

F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.

G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.

H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

I. FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.

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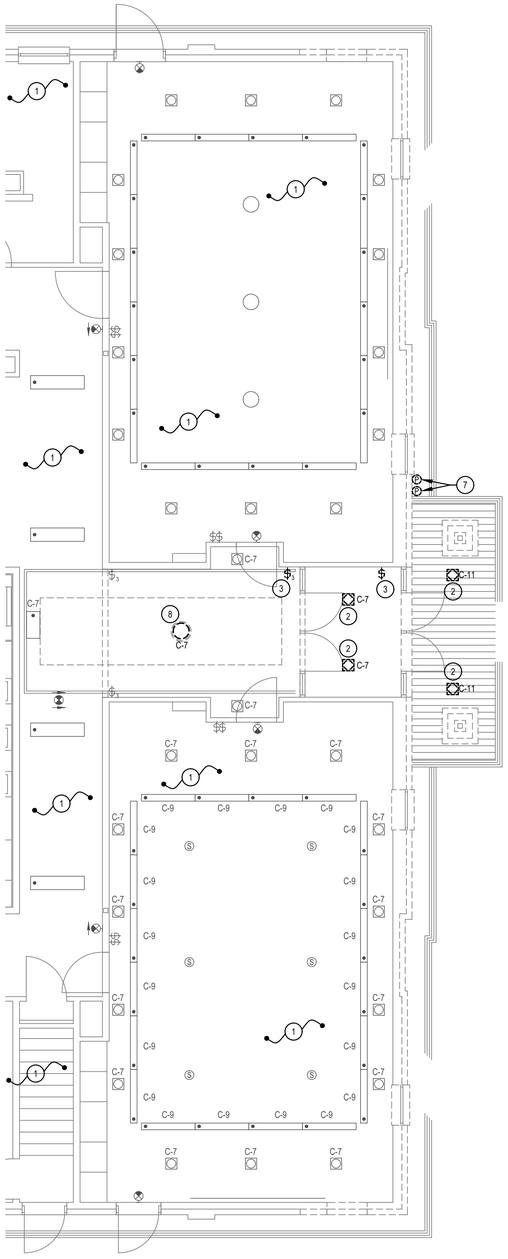
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions			
Mark	Date	Description	

Project Number
25-12
Plan Series
Stake Suite Addition
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548-6467-24020101
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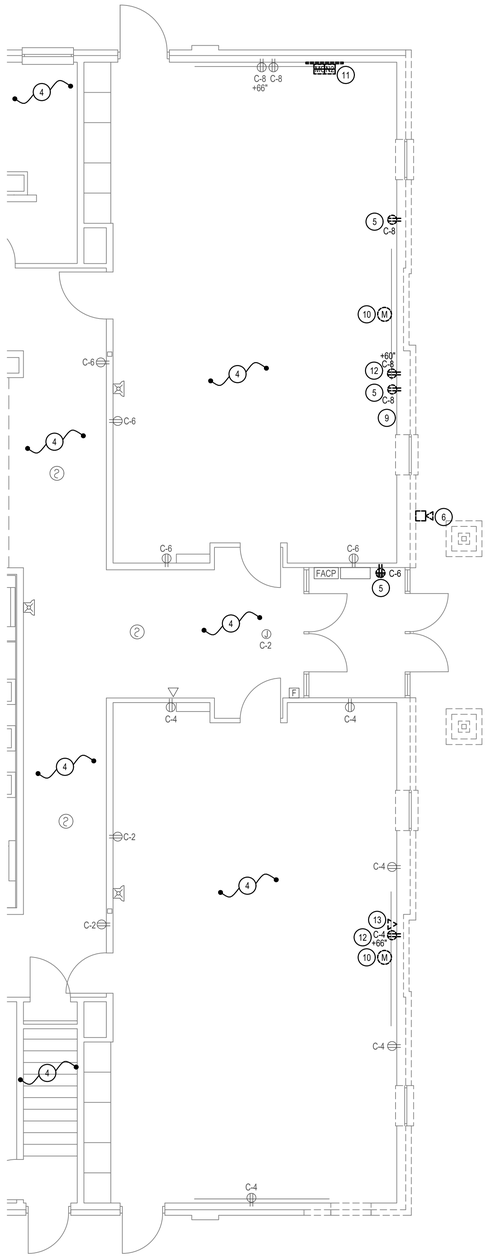
Sheet Title
GENRAL NOTES AND SYMBOL LIST

Sheet
EG001



A LIGHTING DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

NORTH



B POWER DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

NORTH

GENERAL NOTES:

1. REMOVE ANY UNUSED BRANCH CIRCUITS BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL "SPARE".
2. ALL EXISTING CONDUITS, BOXES, ETC THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA SHALL BE RELOCATED OR REROUTED AS NECESSARY.
3. BRANCH CIRCUITS, IF SHOWN WHERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES. THE CONTRACTOR SHALL VERIFY ALL CIRCUITS AFFECTED BY THIS PROJECT PRIOR TO ANY DEMOLITION.
4. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.

GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. LIGHT & SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
   - 1.1. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
   - 1.2. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
   - 1.3. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
   - 1.4. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
   - 1.5. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
   - 1.6. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
   - 1.7. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
   - 1.8. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

KEYED NOTES: (#)

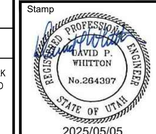
1. EXISTING LIGHTING AND LIGHTING CONTROLS IN THIS AREA TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING CONSTRUCTION. REWIRE EXISTING LIGHTING AS NECESSARY TO REMAIN OPERATIONAL DURING ALL PHASES OF THE CONSTRUCTION IF DISCONNECTED DURING THE DEMOLITION.
2. DISCONNECT, REMOVE AND STORE EXISTING LIGHT FIXTURE FOR REUSE. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE.
3. DISCONNECT, REMOVE AND DISPOSE OF EXISTING LIGHT SWITCH. REMOVE BRANCH WIRING TO FIXTURE CONTROLLED. SEE LIGHTING PLAN FOR NEW SWITCHING.
4. EXISTING POWER DEVICES AND FIRE ALARM DEVICES IN THIS AREA TO REMAIN IN PLACE, UNLESS SPECIFICALLY NOTED OTHERWISE. PROTECT FROM DAMAGE DURING CONSTRUCTION. REWIRE EXISTING DEVICES AS NECESSARY TO REMAIN OPERATIONAL DURING ALL PHASES OF THE CONSTRUCTION IF DISCONNECTED DURING THE DEMOLITION.
5. DISCONNECT, REMOVE AND DISPOSE OF EXISTING RECEPTACLE AND COVER PLATE. EXISTING JUNCTION BOX AND BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE.
6. DISCONNECT AND REMOVE EXISTING FIRE ALARM NOTIFICATION APPLIANCE AND STORE FOR REUSE. EXISTING CABLING TO REMAIN IN PLACE FOR REUSE. REWIRE EXISTING NOTIFICATION APPLIANCES AS NECESSARY TO REMAIN OPERATIONAL DURING ALL PHASES OF THE CONSTRUCTION.
7. DISCONNECT, REMOVE AND STORE EXISTING LIGHTING PHOTOCELL FOR REUSE. EXISTING WIRING TO REMAIN IN PLACE FOR REUSE. TEMPORALLY RELOCATE PHOTOCELL SO LIGHTING REMAINS OPERATIONAL DURING ALL PHASES OF THE CONSTRUCTION.
8. DISCONNECT, REMOVE AND RETURN EXISTING LIGHT FIXTURE TO OWNER. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE.
9. REMOVE EXISTING 'AV' DEVICE PATCH CABLES FROM WALL ALONG WITH JUNCTION BOXES AND CONDUITS.
10. REMOVE EXISTING MIC JACK, AND JUNCTION BOX. REMOVE CABLE BACK TO SOURCE.
11. REMOVE EXISTING DISPLAY, MOUNT AND CABLES, PROTECT AND STORE DURING CONSTRUCTION. REINSTALL IN NEW LOCATION.
12. DISCONNECT, REMOVE AND DISPOSE OF EXISTING DUPLEX RECEPTACLE. REMOVE EXISTING CONDUIT AND CONDUCTORS BACK TO THE NEXT DEVICE THAT IS TO REMAIN IN PLACE. REWIRE EXISTING DEVICES TO REMAIN OPERATIONAL.
13. DISCONNECT, REMOVE AND DISPOSE OF EXISTING DATA OUTLET. REMOVE EXISTING CONDUIT AND WIRE BACK TO SOURCE.

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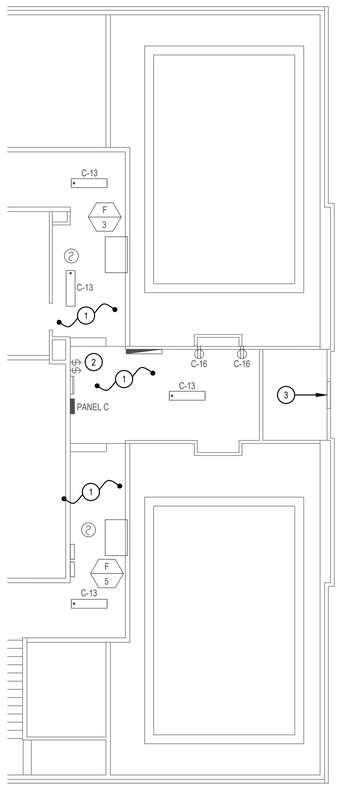
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
LIGHTING AND POWER DEMOLITION PLAN

Sheet
ED101



A EQUIPMENT PLATFORM DEMOLITION PLAN

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

NORTH

GENERAL NOTES:

1. REMOVE ANY UNUSED BRANCH CIRCUITS BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL "SPARE".
2. ALL EXISTING CONDUITS, BOXES, ETC THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA SHALL BE RELOCATED OR REROUTED AS NECESSARY.
3. BRANCH CIRCUITS, IF SHOWN WHERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES. THE CONTRACTOR SHALL VERIFY ALL CIRCUITS AFFECTED BY THIS PROJECT PRIOR TO ANY DEMOLITION.
4. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.

GENERAL DEMOLITION NOTES:

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   - 1.3. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
   - 1.4. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
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   - 1.8. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

KEYED NOTES: (#)

1. EXISTING LIGHTING, LIGHTING CONTROLS, POWER, POWER DEVICES, FIRE ALARM DEVICES, ETC TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION. REWIRE ANY FIXTURE OR DEVICE THAT IS DISCONNECTED DURING THE DEMOLITION AS NECESSARY TO REMAIN OPERATIONAL.
2. EXTERIOR LIGHTING CONTROLS TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION.
3. DISCONNECT, REMOVE, REROUTE, AND REINSTALL ANY EXISTING CONDUIT AND OR JUNCTION BOXES WHERE THE EXISTING WALL IS BEING MODIFIED OR REMOVED.

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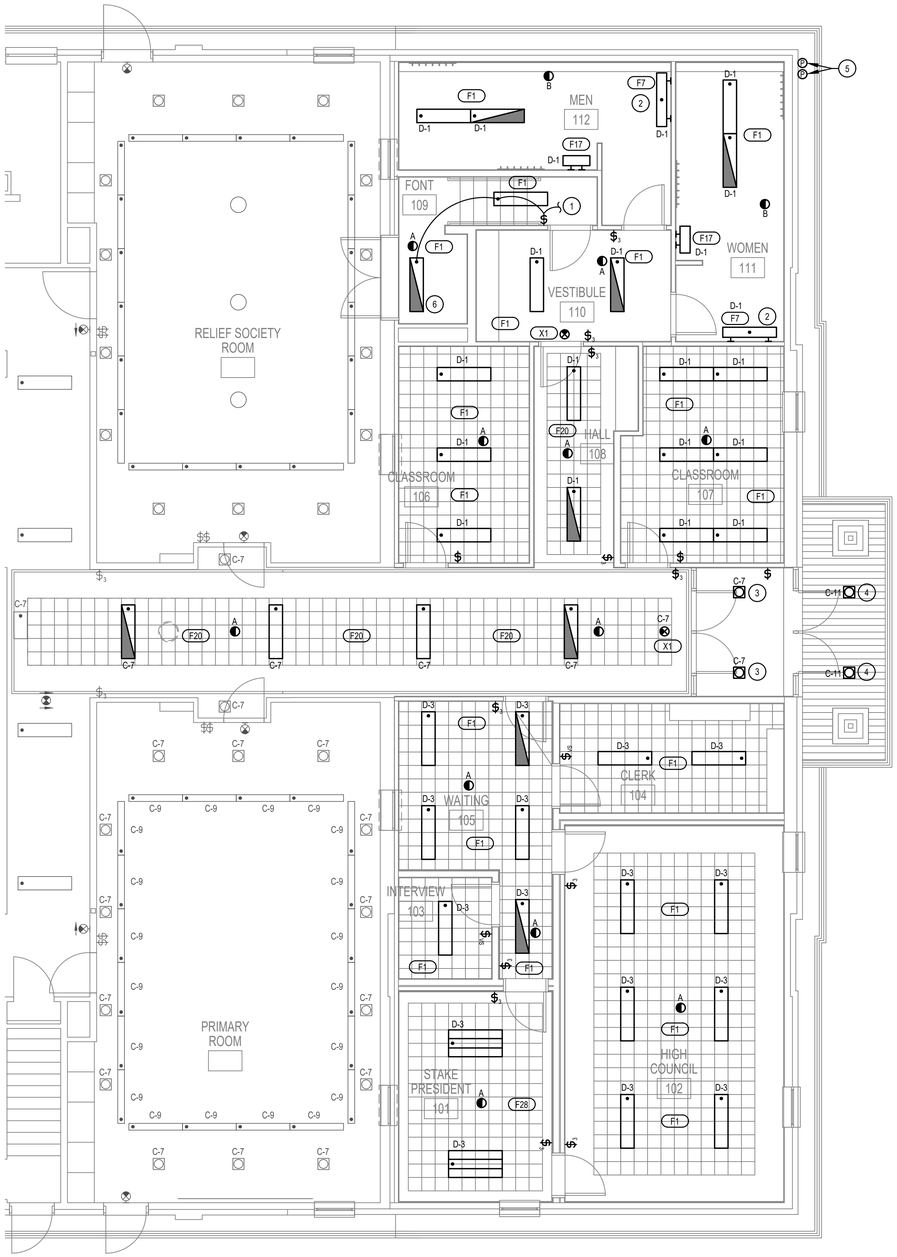
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
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Sheet Title
EQUIPMENT PLATFORM DEMOLITION PLAN

Sheet
ED102



A LIGHTING PLAN

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

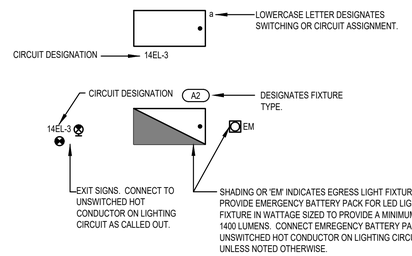
NORTH

GENERAL NOTES:

1. EXACT LOCATION OF LIGHT FIXTURES SHALL BE AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
2. CEILING MOUNTED OCCUPANCY SENSORS SHALL NOT BE INSTALLED WITHIN 6 FEET OF ANY MECHANICAL DIFFUSER.
3. WHERE BRANCH CIRCUIT CABLING IS RUN IN THE EQUIPMENT PLATFORM, ABOVE SUSPENDED CEILINGS AND WITHIN THE ATTIC SPACE, THE CABLING SHALL BE RUN PERPENDICULAR AND PARALLEL TO SURFACES OF STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.

KEYED NOTES: (#)

1. CIRCUIT THROUGH LOAD SIDE OF GFCI RECEPTACLE. SEE POWER PLAN.
2. LIGHT FIXTURE TO BE ON CONTINUOUSLY, DO NOT SWITCH.
3. REINSTALL EXISTING LIGHT FIXTURE THAT WAS REMOVED DURING THE DEMOLITION. CLEAN AND RELAMP FIXTURE PRIOR TO INSTALLATION. CIRCUIT AND SWITCH AS SHOWN.
4. REINSTALL EXISTING LIGHT FIXTURE THAT WAS REMOVED DURING THE DEMOLITION. CLEAN AND RELAMP FIXTURE PRIOR TO INSTALLATION. CONNECT TO LIGHTING CIRCUIT / CONTROL THAT WAS IN PLACE PRIOR TO THE DEMOLITION. LIGHTS TO FUNCTION THE SAME AS PRIOR TO THE DEMOLITION.
5. REINSTALL EXISTING PHOTOCELL THAT WAS REMOVED DURING THE DEMOLITION. EXTEND AND RECONNECT TO EXISTING WIRING THAT WAS IN PLACE PRIOR TO THE DEMOLITION. PHOTOCELL TO OPERATE THE SAME AS PRIOR TO THE DEMOLITION.
6. COORDINATE EXACT MOUNTING LOCATION WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.



TYPICAL LIGHT FIXTURE CONVENTION

SCALE: NONE

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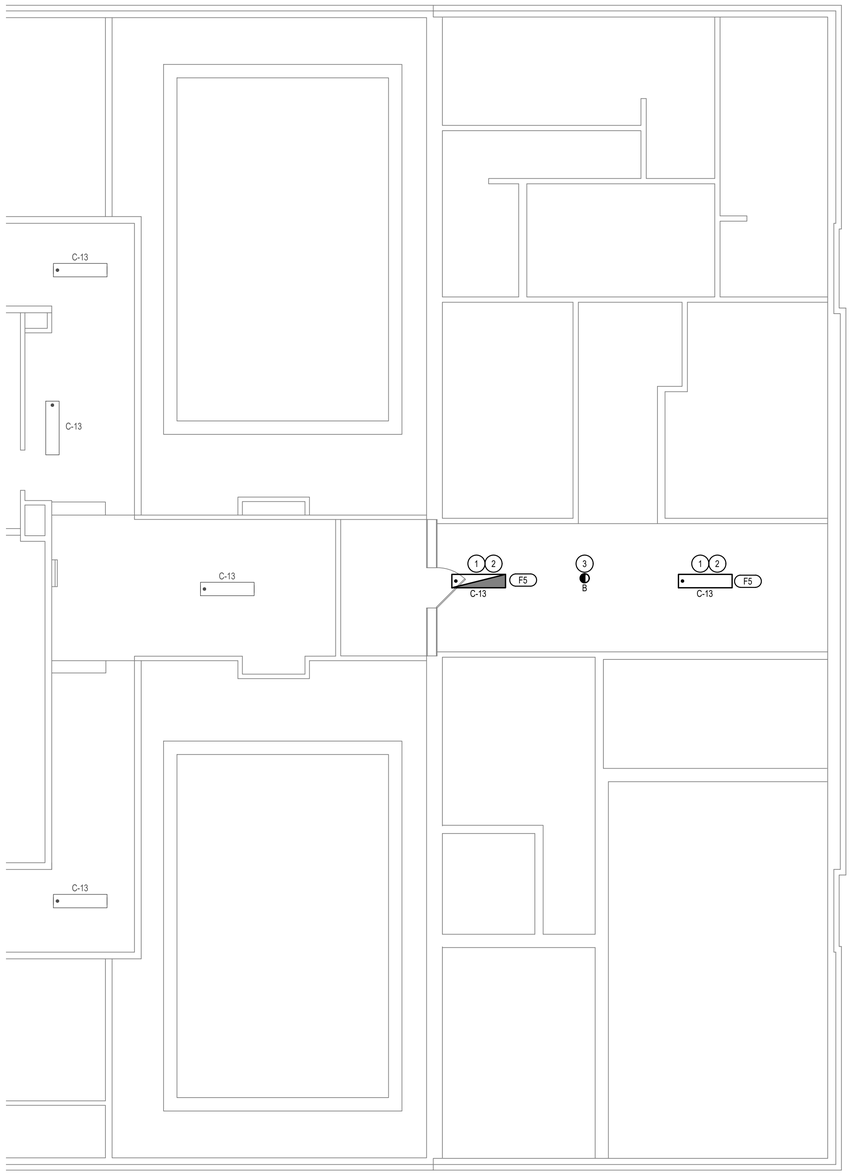
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Revisions	Mark	Date	Description

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Property Number	548-6467-24020101
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Sheet Title
LIGHTING PLAN

Sheet
EL101

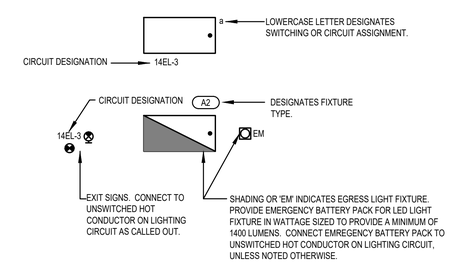


GENERAL NOTES:

1. DO NOT CONNECT, MOUNT OR SUPPORT ANY ELECTRICAL FROM DATA/COMM MOUNTING OR WIRE MANAGEMENT.
2. WHERE BRANCH CIRCUIT CABLING IS RUN IN THE EQUIPMENT PLATFORM, ABOVE SUSPENDED CEILINGS AND WITHIN THE ATTIC SPACE, THE CABLING SHALL BE RUN PERPENDICULAR AND PARALLEL TO SURFACES OF STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.
3. VERIFY MECHANICAL EQUIPMENT AND LOCATIONS WITH MECHANICAL DRAWINGS.

KEYED NOTES: (#)

1. COORDINATE LIGHT FIXTURE LOCATIONS IN MECHANICAL EQUIPMENT AREAS WITH MECH EQUIPMENT. CHAIN SUSPEND FIXTURES AS NECESSARY FOR UNOBSTRUCTED ILLUMINATION. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT PLACEMENT OF ALL LIGHT FIXTURES ON THE MEZZANINE SO THAT THE FIXTURES DO NOT OBSTRUCTED OR INTERFERE WITH ANY MECHANICAL SYSTEM, SPRINKLER SYSTEM, PLUMBING SYSTEM OR OTHER SYSTEMS. THE FIXTURE SHALL BE POSITION SUCH THAT THE OPERATION OR MAINTENANCE OF THAT FIXTURE IS NOT HINDERED.
2. NEW LIGHTS TO SWITCH WITH THE EXISTING LIGHTS.
3. CONFIRM PLACEMENT OF NEW OCCUPANCY SENSOR WITH THE NEW MECHANICAL DUCTS AND EQUIPMENT. PENDANT MOUNT SENSOR IF NEEDED TO HAVE A CLEAR VIEW OF THE SPACE AND NOT CAUSE THE LIGHTS TO TURN OFF.



TYPICAL LIGHT FIXTURE CONVENTION
SCALE: NONE

A EQUIPMENT PLATFORM LIGHTING PLAN
SCALE: 3/16" = 1'-0"

NORTH

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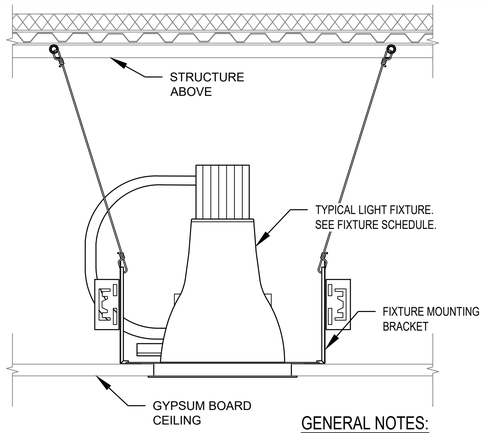
Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
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Sheet Title
EQUIPMENT PLATFORM LIGHTING PLAN

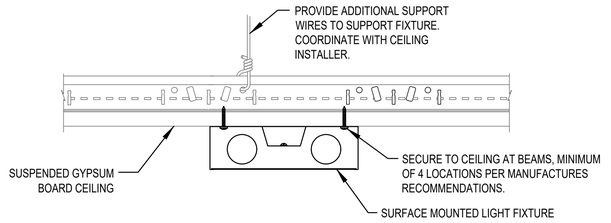
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GENERAL NOTES:

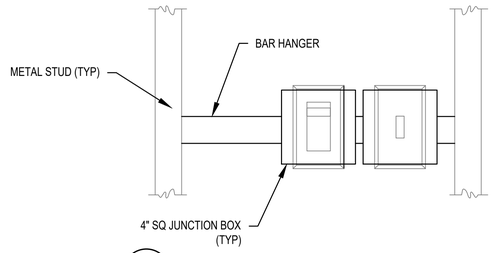
1. COORDINATE WITH MECHANICAL DUCTWORK AND EQUIPMENT.

3 RECESSED CAN MOUNTING DETAIL - HARD LID CEILING
SCALE: NONE



2 SURFACE MOUTED LIGHT FIXTURE DETAIL
SCALE: NONE

NOTE:
WHERE SHOWN ON THE DRAWINGS MOUNT JUNCTION BOXES FOR LIGHT SWITCHES AND DIMMERS NEXT TO EACH OTHER (TYPICAL ALL LOCATIONS). JUNCTION BOXES THAT ARE MOUNTED IN SEPARATE STUD SPACES WILL BE RELOCATED.



1 TYPICAL JUNCTION BOX MOUNTING DETAIL
SCALE: NONE

KEYED NOTES: (#)

1. ALL MANUFACTURES LISTED ARE APPROVED TO BID THIS PROJECT. OTHER MANUFACTURES LIGHT FIXTURES SHALL BE AN EQUIVALENT TO WHAT IS SPECIFIED.

SENSOR SCHEDULE

DEVICE	MOUNTING	DISCRIPTION
◐ A	CEILING	DUAL-TECH VACANCY OCCUPANCY SENSOR 360° PATTERN SEE SPECIFICATIONS
◐ B	CEILING	ULTRASONIC OCCUPANCY SENSOR 360° PATTERN SEE SPECIFICATIONS
$VS	WALL	PIR VACANCY SENSOR WITH MANUAL ON / OFF - 180° PATTERN SEE SPECIFICATIONS

SENSOR NOTES:

1. THE SENSOR SUPPLIER SHALL INSURE THAT THE SENSOR THAT IS FURNISHED IS ADEQUATELY SIZED FOR AREA SERVED.
2. THE CONTRACTOR SHALL VERIFY ALL MOUNTING REQUIREMENTS AND LOCATIONS WITH THE SENSOR SUPPLIER AND MANUFACTURES WRITTEN INSTRUCTIONS PRIOR TO ROUGH-IN.
3. SET ALL SENSORS FOR A MAXIMUM OF 20MINUTES TO TURN OFF LIGHTS. UNLESS OTHERWISE DIRECTED BY THE TENANT.
4. DO NOT MOUNT ANY SENSORS WITH IN 3' OF ANY AIR DIFFUSERS. COORDINATE WITH MECHANICAL FOR DIFFUSER LOCATIONS.
5. IF SENSOR IS MOUNTED IN THE WRONG LOCATION OR IS NOT ADEQUATE FOR THE AREA, THE SUPPLIER AND CONTRACTOR SHALL REPLACE THE SENSOR OR RELOCATE THE SENSOR AT NO EXTRA CHARGE.

FIXTURE SCHEDULE

TYPE	MANUFACTURER NAME	MANUFACTURER CATALOG NUMBER	LOAD (VA)	LAMPS TYPE	MOUNTING	REMARKS
F1	DAY-BRITE METALUX H.E. WILLIAMS LSI LITHONIA COLUMBIA	(1) LBL4-4000LM-80CRI-30K-MINI1-ZT-MVOLT	32	LED 4000 LUMENS 3000K	SURFACE	1'x4' FIXTURE WITH WRAP AROUND ACRYLIC LENS.
F5	DAY-BRITE METALUX H.E. WILLIAMS LSI LITHONIA COLUMBA	(1) CLX-48-3000LM-SEF-FDL-MVOLT-GZ10-30K-80CRI-WH/WGCLX48	36	LED 3000 LUMENS 3000K	SURFACE or CHAIN SUSPENDED	4' STRIP LIGHT WITH WIRE GUARD
F7	DAY-BRITE METALUX H.E. WILLIAMS LSI LITHONIA COLUMBIA	(1) WL4-30L-MVOLT-EZB-LP830	28	LED 3000 LUMENS 3000K	WALL	4' WALL MOUNTED VANITY FIXTURE WITH ACRYLIC DIFFUSER. MOUNT ABOVE MIRRORS AT 7'-0". SEE ARCHITECTURAL ELEVATIONS
F17	DAY-BRITE METALUX H.E. WILLIAMS LSI LITHONIA COLUMBIA	(1) WL2-18L-MVOLT-EZB-LP830	17	LED 1800 LUMENS 3000K	WALL	2' WALL MOUNTED VANITY FIXTURE WITH ACRYLIC DIFFUSER. MOUNT AT CEILING
F20	DAY-BRITE LITHONIA METALUX LIGHTOLIER COLUMBIA LSI	EPANL 1X4 4000LM 80CRI 3000K MIN10 ZT MVOLT (2)	50	LED 4000 LUMENS 3000K	RECESSED	1'X4' RECESSED PANEL.
F28	DAY-BRITE LSI H.E. WILLIAMS LITHONIA COLUMBIA METALUX	BLC 2X4 4000LM 30K ADSM DGA24 (1)	50	LED 4000 LUMEN 3000K	RECESSED	2'x4' RECESSED FIXTURE WITH CENTER ACRYLIC LENS.
X1	EXITRONIX LIGHTONIA HE WILLIAMS LSI COMPAS ALL PRO EM	GVEX-U-BP-WB-WHG2 EXG LED EL M6 EXIT-G-EM-WHT-D EMS-G-WB-WH CEG APX7G	5	LED INCLUDED	WALL OR CEILING	PROVIDE DIRECTIONAL ARROWS AS SHOWN ON PLANS.

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LIGHTING DETAILS

Sheet
EL501

KEYED NOTES: (#)

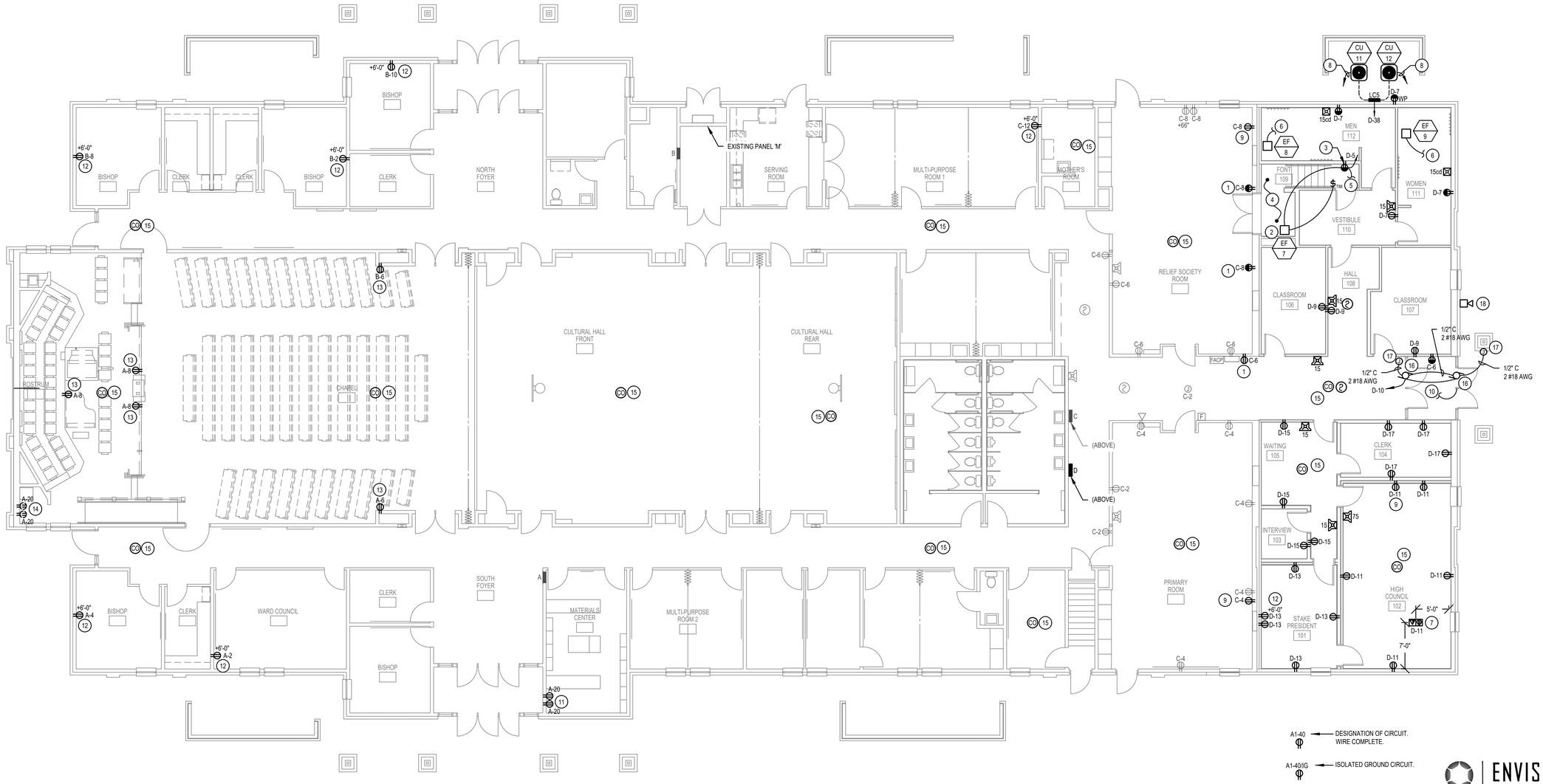
1. PROVIDE NEW RECEPTACLE AS SHOWN. RECONNECT TO THE EXISTING BRANCH CIRCUIT THAT WAS IN PLACE PRIOR TO THE DEMOLITION.
2. EXHAUST FAN TO BE CONTROLLED WITH A MANUAL TIMER SWITCH.
3. CONNECT THE LIGHTING AND EXHAUST FAN TO THE LOAD SIDE OF THE GFCI RECEPTACLE. IF RECEPTACLE TRIPS THE LIGHTS AND FAN SHALL TURN OFF.
4. CONTRACTOR TO BOND ALL METAL PARTS OF THE FONT SHELL INCLUDING THE METAL HANDRAILS PER ALL REQUIREMENTS OF NEC 680.
5. TO LIGHT FIXTURES.
6. SWITCH WITH LIGHTS. SEE LIGHTING PLAN FOR CIRCUIT AND CONTROLS.
7. CONFIRM EXACT MOUNTING LOCATION OF FLOOR BOX WITH THE ARCHITECT PRIOR TO POURING ANY CONCRETE. SEE ET DRAWINGS FOR CONDUIT ROUGH-IN REQUIREMENTS.
8. EXTEND A 3/4" CONDUIT WITH PULL STRING FROM THE CONDENSING UNIT TO FURNACE FOR CONTROL WIRING. ROUTE CONDUIT UNDER THE REFRIGERANT PIPING COVER. DO NOT SURFACE MOUNT ON BUILDING OR RUN EXPOSED. COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR.
9. TV RECEPTACLE TO BE MOUNTED IN THE RECESSED TV BOX. SEE ET DRAWINGS FOR MOUNTING HEIGHT AND LOCATION. CONFIRM INSTALLATION WITH THE A/V INSTALLER.
10. EXTEND A 1/2" CONDUIT FROM A READILY ACCESSIBLE LOCATION ON THE MEZZANINE INTO THE DOOR HEAD FRAME FOR ACCESS CONTROL SYSTEM CABLING. LABEL CONDUIT "ACCESS CONTROL".

KEYED NOTES: (#)

11. A/V VIDEO RACK RECEPTACLE. SEE ET DRAWINGS FOR EXACT MOUNTING HEIGHT AND LOCATION. EXTEND A #6 AWG GROUND CABLE FROM PANEL "A" TO THE NEW A/V VIDEO RACK. PROVIDE ALL REQUIRED TERMINATIONS AT THE RACK. CONFIRM INSTALLATION WITH THE A/V INSTALLER.
12. RECEPTACLE FOR TV. CONFIRM HEIGHT AND EXACT LOCATION WITH THE ARCHITECT.
13. RECEPTACLE FOR A/V SYSTEM EQUIPMENT. SEE ET DRAWINGS FOR RECEPTACLE ROUGH-IN REQUIREMENTS. CONFIRM HEIGHT AND EXACT LOCATION WITH A/V CONTRACTOR PRIOR TO ANY ROUGH-IN.
14. DISCONNECT REMOVE AND DISPOSE OF EXISTING AV RACK RECEPTACLES. REMOVE EXISTING BRANCH CIRCUIT BACK TO THE SOURCE COMPLETELY. PROVIDE BLANK COVER PLATES ON THE EXISTING JUNCTION BOXES, UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
15. PROVIDE NEW FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR. NEW DETECTOR TO BE OF THE SAME MANUFACTURE AS THE EXISTING INSTALLED FIRE ALARM SYSTEM (SIMPLEX). CONNECT TO THE EXITING INITIATING DEVICE LOOP AS DIRECTED BY THE FIRE ALARM SYSTEM SUPPLIER, CONFIRM ALL REQUIREMENTS PRIOR TO THE START OF THE CONSTRUCTION.
16. ADA DOOR ACTUATOR IS FURNISHED BY THE DOOR HARDWARE SUPPLIER WITH CONNECTION BY THE ELECTRICAL CONTRACTOR. COORDINATE CONDUIT AND CONDUCTOR LENGTHS AND ROUTING WITH THE DOOR HARDWARE SUPPLIER FOR A COMPLETE AND CONCEALED INSTALLATION. PROVIDE 5' COIL OF CONDUCTORS AT ACTUATOR LOCATION FOR TERMINATIONS.
17. PROVIDE A 4" SQUARE, 2-1/8" DEEP JUNCTION BOX FOR DOOR ACTUATOR. COORDINATE ALL INSTALLATION REQUIREMENTS AND HEIGHTS WITH THE DOOR HARDWARE SUPPLIER AND ARCHITECT.
18. REINSTALL EXISTING FIRE ALARM SYSTEM NOTIFICATION APPLIANCE. EXTEND THE EXISTING NAC CIRCUIT TO THE NEW LOCATION AND CONNECT AS DIRECTED BY THE FIRE ALARM SYSTEM SUPPLIER. DO NOT SPLICE CABLING, CABLING SHALL BE CONTINUOUS FROM DEVICE TO DEVICE.

GENERAL NOTES:

1. ALL CONDUITS THAT ARE 1" AND LARGER THAT ROUGH-IN UNDER THE SLAB SHALL BE PLACED UNDER THE VAPOR BARRIER.
2. ALL CONDUITS THAT EXTEND THROUGH CONCRETE SHALL BE GALVANIZED RIGID CONDUIT AND WARPED WITH TWO (2) LAYERS OF PVC TAPE.
3. ALL ELBOWS THAT ARE BELOW THE FINISHED GRADE SHALL BE GALVANIZED RIGID CONDUIT AND WARPED WITH TWO (2) LAYERS OF PVC TAPE.
4. SEE ME AND ET SHEETS FOR REQUIRED RACEWAY AND BOXES FOR TEMPERATURE CONTROL, TELEPHONE , DATA, SOUND, VIDEO, SATELLITE AND TV SYSTEMS.
5. WHERE BRANCH CIRCUIT CABLING IS RUN IN THE EQUIPMENT PLATFORM, ABOVE SUSPENDED CEILINGS AND WITHIN THE ATTIC SPACE, THE CABLING SHALL BE RUN PERPENDICULAR AND PARALLEL TO SURFACES OF STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.



A POWER PLAN
SCALE: 1/8" = 1'-0"

NORTH

A1-40 — DESIGNATION OF CIRCUIT. WIRE COMPLETE.
A1-40/IG — ISOLATED GROUND CIRCUIT.
A1-40 / L6-30 — DESIGNATION OF CIRCUIT. WIRE COMPLETE. PLUG TYPE. VERIFY EXACT PLUG TYPE WITH OWNER / EQUIPMENT SUPPLIER.

TYPICAL OUTLET CONVENTION
SCALE: NONE

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Sheet Title
POWER PLAN

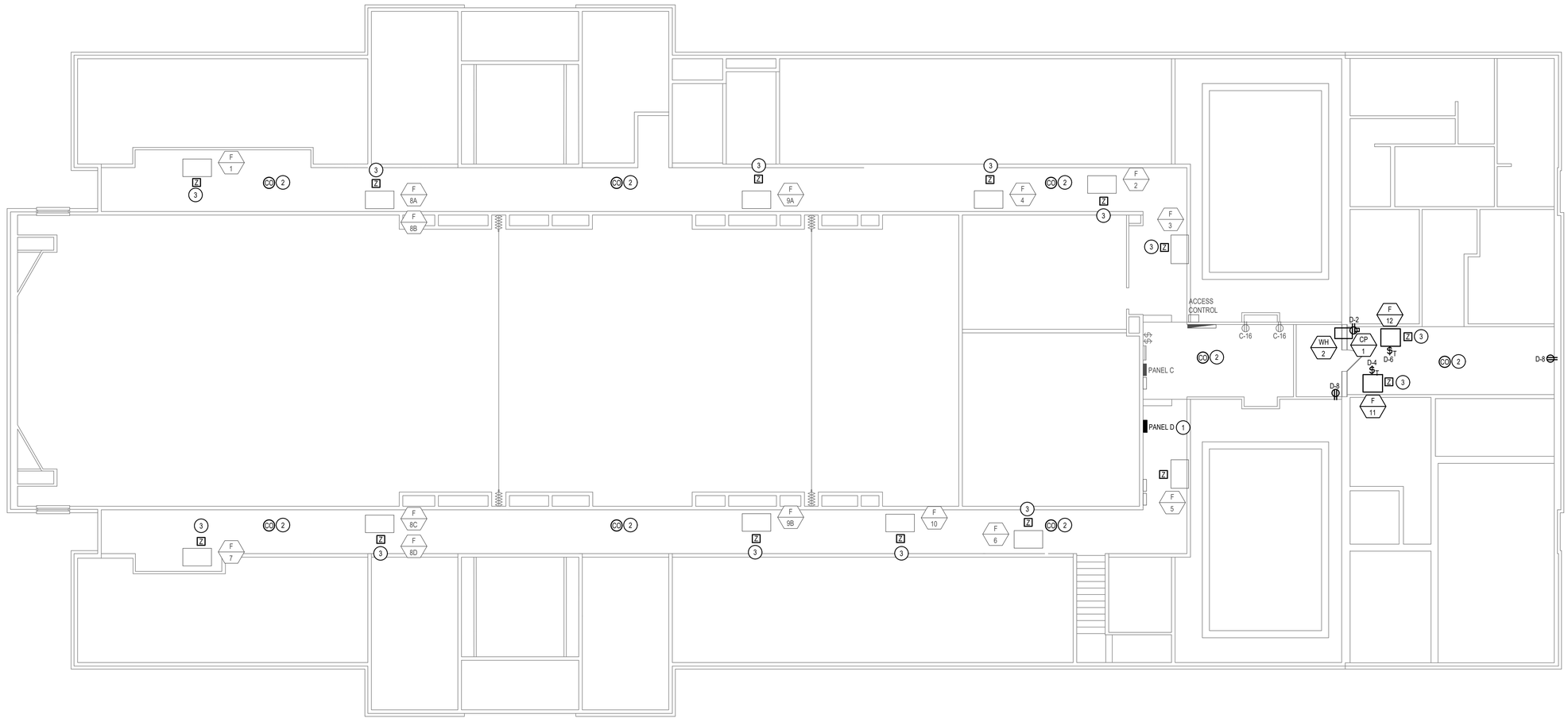
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KEYED NOTES: (#)

1. CONTRACTOR TO CONFIRM PANEL MOUNTING LOCATION PRIOR TO ANY ROUGH-IN. PANEL SHALL BE LOCATED SO THAT NO DUCT WORK OR PIPING OF ANY KIND ARE LOCATED IN THE PANEL WORKING SPACE OR REQUIRED CLEAR SPACE PER ALL NEC 110 REQUIREMENTS.
2. PROVIDE NEW FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR. NEW DETECTOR TO BE OF THE SAME MANUFACTURE AS THE EXISTING INSTALLED FIRE ALARM SYSTEM (SIMPLEX). CONNECT TO THE EXITING INITIATING DEVICE LOOP AS DIRECTED BY THE FIRE ALARM SYSTEM SUPPLIER, CONFIRM ALL REQUIREMENTS PRIOR TO THE START OF THE CONSTRUCTION.
3. PROVIDE NEW FIRE ALARM SYSTEM CONTROL MODULE TO SHUTDOWN THE FURNACE UPON CARBON MONOXIDE DETECTION. MODIFY EXISTING BRANCH CIRCUIT AS NECESSARY OR PROVIDE REQUIRED CONNECTIONS FROM THE CONTROL MODULE TO THE FURNACE. CONTRACTOR AND FIRE ALARM SYSTEM SUPPLIER TO CONFIRM EXISTING FURNACE CONDITIONS AND BEST METHOD TO SHUTDOWN FURNACES. NEW CONTROL MODULE TO BE OF THE SAME MANUFACTURE AS THE EXISTING INSTALLED FIRE ALARM SYSTEM (SIMPLEX). CONNECT TO THE EXITING INITIATING DEVICE LOOP AS DIRECTED BY THE FIRE ALARM SYSTEM SUPPLIER, CONFIRM ALL REQUIREMENTS PRIOR TO THE START OF THE CONSTRUCTION.

GENERAL NOTES:

1. SEE ME AND ET SHEETS FOR REQUIRED RACEWAY AND BOX ROUGH-IN FOR TEMPERATURE CONTROLS, TELEPHONE, DATA, SATELLITE, AND TV SYSTEMS.
2. PROVIDE BONDING JUMPER BETWEEN THE FURNACE AND DUCT AFTER THE BOOT. SIZE PER NEC REQUIREMENTS. THE BONDING JUMPER SHALL BE A MINIMUM #10 CU. CONDUCTOR. PROVIDE SUFFICIENT LENGTH TO ALLOW MOVEMENT OF DUCT BOOT. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR PRIOR TO WORK BEING DONE. DO NOT ATTACH JUMPER IN FILTER SECTION.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE RACEWAYS AND JUNCTION BOXES FOR TEMPERATURE CONTROLS. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. ELECTRICAL CONTRACTOR TO REFER TO THE ME AND ET DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. DO NOT CONNECT, MOUNT OR SUPPORT ANY ELECTRICAL FROM DATA/COMM MOUNTING OR WIRE MANAGEMENT.
6. WHERE BRANCH CIRCUIT CABLING IS RUN IN THE EQUIPMENT PLATFORM, ABOVE SUSPENDED CEILINGS AND WITHIN THE ATTIC SPACE, THE CABLING SHALL BE RUN PERPENDICULAR AND PARALLEL TO SURFACES OF STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.
7. VERIFY MECHANICAL EQUIPMENT AND LOCATIONS WITH MECHANICAL DRAWINGS.
8. REFER TO EQUIPMENT SCHEDULE ON SHEET EP501 FOR MECHANICAL EQUIPMENT FEEDER INFORMATION. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERPROTECTION DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT.



A MEZZANINE POWER PLAN
SCALE: 1/8" = 1'-0"

NORTH

A1-40 — DESIGNATION OF CIRCUIT. WIRE COMPLETE.

A1-40/IG — ISOLATED GROUND CIRCUIT.

A1-40 — DESIGNATION OF CIRCUIT. WIRE COMPLETE.
L6-30 — PLUG TYPE. VERIFY EXACT PLUG TYPE WITH OWNER / EQUIPMENT SUPPLIER.

TYPICAL OUTLET CONVENTION
SCALE: NONE

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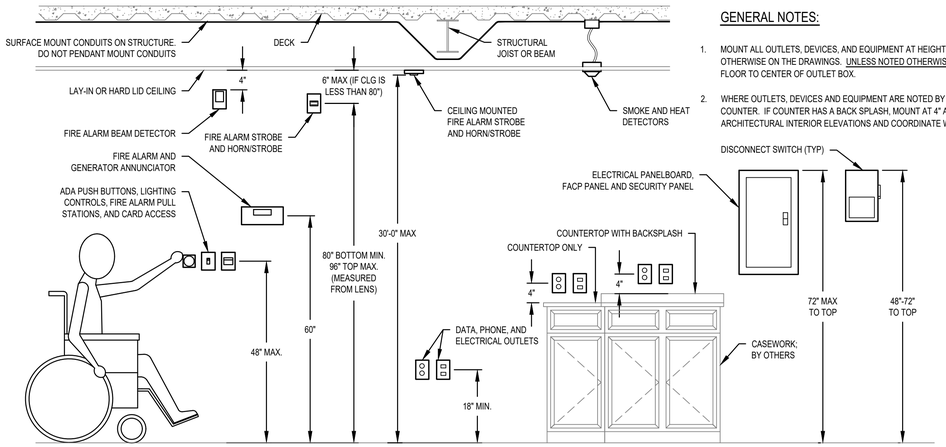
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MEZZANINE POWER PLAN

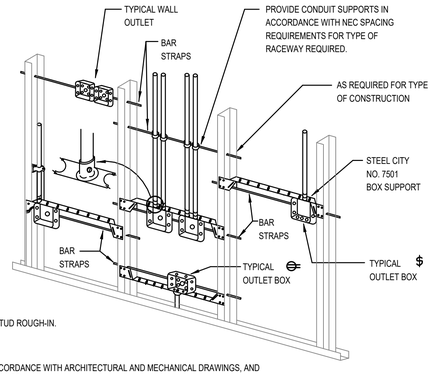
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EP102



3 ADA AND EQUIPMENT MOUNTING HEIGHT DETAIL
SCALE: NONE

GENERAL NOTES:

1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.



NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH UBC 4303 OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.

2 TYPICAL ROUGH-IN REQUIREMENTS
SCALE: NONE

IF PANEL BOARD IS FEED FROM A TRANSFORMER LOCATED IN THE SAME ROOM AS THE PANEL. THE TOTAL LENGTH OF BRANCH CIRCUITS SHALL NOT EXCEED THE FOLLOWING:

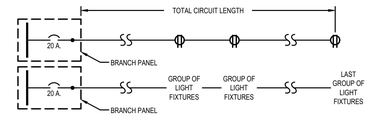
	120 VOLTS	277 VOLTS
a - USING #12 AWG	90 FT.	180 FT.
b - USING #10 AWG	150 FT.	300 FT.
c - USING #8 AWG	250 FT.	450 FT.
d - USING #6 AWG	380 FT.	700 FT.

THE ABOVE CIRCUIT LENGTHS ARE BASED ON 4% VOLTAGE DROP AT 16 AMPS LOAD AT THE END OF THE CIRCUIT. SAME WIRE SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.

IF PANELBOARD IS FEED FROM A TRANSFORMER LOCATED REMOTELY FROM THE PANEL. THE TOTAL LENGTH OF BRANCH CIRCUITS SHALL NOT EXCEED THE FOLLOWING:

	120 VOLTS	277 VOLTS
a - USING #12 AWG	75 FT.	180 FT.
b - USING #10 AWG	125 FT.	260 FT.
c - USING #8 AWG	205 FT.	420 FT.
d - USING #6 AWG	325 FT.	660 FT.

THE ABOVE CIRCUIT LENGTHS ARE BASED ON 3% VOLTAGE DROP AT 16 AMPS LOAD AT THE END OF THE CIRCUIT. SAME WIRE SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.



BRANCH CIRCUIT DEFINITION:
CIRCUIT ORIGINATING FROM A 20 AMP CIRCUIT BREAKER IN A BRANCH PANEL AND ENDING AT THE LAST DUPLEX OUTLET ON THE CIRCUIT OR ENDS AT THE LAST LIGHT FIXTURE.

1 TYPICAL BRANCH CIRCUIT LENGTH DETAIL
SCALE: SCHEMATIC

PANELBOARD SCHEDULE

PANEL NAME: D (NEW)
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
DOOR STYLE: STANDARD
VOLTAGE: 208Y/120
PHASE: 3
WIRE: 4
MIN. A.I.C. RATING: 22KA
MAINS TYPE: MLO
BUS MATERIAL: ALUMINUM
BUS RATING: 225 AMPS
MCB RATING: NONE
SPD: NONE
NEUTRAL: 100% RATED
BRANCH OCP TYPE: BOLT-ON CBs
ISOLATED GROUND: NO

KEYED NOTE	CIRCUIT DESCRIPTION	BREAKER AMPS	BREAKER POLE	LOAD TYPE	CKT #	CONNECTED LOAD/PHASE (VA) A	B	C	CKT #	LOAD TYPE	BREAKER AMPS	BREAKER POLE	CIRCUIT DESCRIPTION	KEYED NOTE
	RESTROOM, CL ROOM LTS	20	1	L	1	1,002	1,200		2	E	20	1	WATER HEATER WH-2 / PUMP CP-1	
	STAKE SUITE LIGHTS	20	1	L	3		744	1,680	4	M	25	1	FURNACE F-11	
	FONT LIGHTS, C.O. AND FAN	20	1	E	5			484	1,200	6	M	20	1	FURNACE F-12	
	RESTRM,EXTERIOR C.O.	20	1	R	7	720	360			8	R	20	1	EQUIPMENT PLATFORM C.O.	
	CLASSROOM, HALL C.O.	20	1	R	9			720	1,200	10	M	20	1	ADA DOOR	
	HIGH COUNCIL C.O.	20	1	R	11				900	960	12	M	30	2	SEWER EJECTOR PUMP	
	STAKE PRESIDENT C.O.	20	1	R	13	720	960				14	M	-	-	-	
	INTERVIEW, WAITING C.O.	20	1	R	15			540			16		20	1	SPARE	
	CLERK C.O.	20	1	R	17				720		18		20	1	SPARE	
	SPARE	20	1		19						20				SPACE	
	SPARE	20	1		21						22				SPACE	
	SPARE	20	1		23						24				SPACE	
	SPARE	20	1		25		4,171				26	P	80	3	PANEL LC-5	
	SPARE	20	1		27			2,444			28	P	-	-	-	
	SPARE	20	1		29				1,727		30	P	-	-	-	
	TOTAL CONNECTED LOAD PER PHASE (VA):					9,133	7,328	5,991								
	TOTAL ESTIMATED DEMAND LOAD PER PHASE (VA):					9,624	7,514	6,231								
	TOTAL ESTIMATED DEMAND LOAD PER PHASE (AMPS):					80	63	52								

TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
P	SUB-PANEL	SUB-PANEL LOADS BROKEN OUT BY LOAD CLASIFICATION BELOW			
R	RECEPTACLES	4,680 VA	100%	4,680 VA	TOTAL CONNECTED LOAD: 22,452 VA
L	LIGHTING	1,746 VA	125%	2,183 VA	25% OF LARGEST MOTOR: 480 VA
C	CONTINUOUS	-	-	-	TOTAL ESTIMATED DEMAND LOAD: 23,369 VA
E	EQUIPMENT	1,684 VA	100%	1,684 VA	TOTAL ESTIMATED DEMAND BALANCED CURRENT: 65 AMPS
M	MOTOR	14,342 VA	100%	14,342 VA	MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 80 AMPS
K	KITCHEN	-	-	-	
	OTHER	-	-	-	

PANELBOARD SCHEDULE

PANEL NAME: LC5 (NEW)
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R
DOOR STYLE: STANDARD
VOLTAGE: 208Y/120
PHASE: 3
WIRE: 4
MIN. A.I.C. RATING: 10KA
MAINS TYPE: MLO
BUS MATERIAL: ALUMINUM
BUS RATING: 100 AMPS
MCB RATING: NONE
SPD: NONE
NEUTRAL: 100% RATED
BRANCH OCP TYPE: BOLT-ON CBs
ISOLATED GROUND: NO

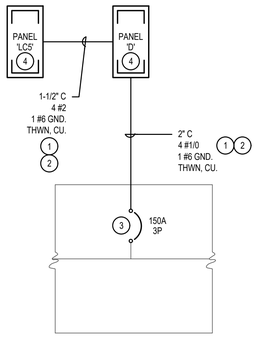
KEYED NOTE	CIRCUIT DESCRIPTION	BREAKER AMPS	BREAKER POLE	LOAD TYPE	CKT #	CONNECTED LOAD/PHASE (VA) A	B	C	CKT #	LOAD TYPE	BREAKER AMPS	BREAKER POLE	CIRCUIT DESCRIPTION	KEYED NOTE
	CONDENSING UNIT CU-11	40	2	M	1	2,444			2				SPACE	
	-	-	-	M	3		2,444		4				SPACE	
	CONDENSING UNIT CU-12	25	2	M	5			1,727	6				SPACE	
	-	-	-	M	7	1,727			8				SPACE	
	SPACE				9				10				SPACE	
	SPACE				11				12				SPACE	
	TOTAL CONNECTED LOAD PER PHASE (VA):					4,171	2,444	1,727						
	TOTAL ESTIMATED DEMAND LOAD PER PHASE (VA):					4,782	3,055	1,727						
	TOTAL ESTIMATED DEMAND LOAD PER PHASE (AMPS):					40	25	14						

TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
P	SUB-PANEL	SUB-PANEL LOADS BROKEN OUT BY LOAD CLASIFICATION BELOW			
R	RECEPTACLES	-	-	-	TOTAL CONNECTED LOAD: 8,342 VA
L	LIGHTING	-	-	-	25% OF LARGEST MOTOR: 1,222 VA
C	CONTINUOUS	-	-	-	TOTAL ESTIMATED DEMAND LOAD: 9,564 VA
E	EQUIPMENT	-	-	-	TOTAL ESTIMATED DEMAND BALANCED CURRENT: 27 AMPS
M	MOTOR	8,342 VA	100%	8,342 VA	MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 40 AMPS
K	KITCHEN	-	-	-	
	OTHER	-	-	-	

PANELBOARD SCHEDULE KEYED NOTES:
1. PROVIDE CLASS A GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER.
2. PROVIDE ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER.
3. PROVIDE 30 MILLIAMPERE EQUIPMENT GROUND FAULT PROTECTOR TYPE CIRCUIT BREAKER.
4. PROVIDE SHUNT-TRIP TYPE CIRCUIT BREAKER WITH 120V COIL.
5. PROVIDE HACR RATED CIRCUIT BREAKER.
6. PROVIDE HANDLE CLAMP FOR HOLDING CIRCUIT BREAKER IN THE "ON" OR "OFF" POSITION.
7. PROVIDE SWITCHING RATED CIRCUIT BREAKER.
8. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD (WHERE PANEL IS INDICATED AS EXISTING) OF SAME MANUFACTURER AND A.I.C. RATING AS EXISTING.
9. EXISTING LOAD.

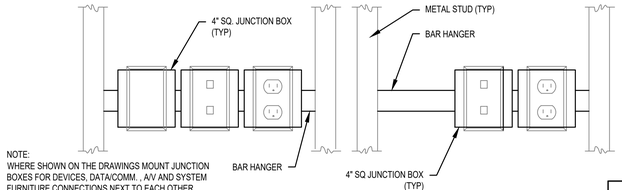
KEYED NOTES: (#)

1. ROUTE NEW FEEDER THROUGH MEZZANINE.
2. CONTRACTOR TO UPSIZE FEEDER FOR VOLTAGE DROP BASED ON THE ACTUAL ROUTING.
3. PROVIDE NEW BREAKER AS SHOWN. NEW BREAKER SHALL BE OF THE SAME MANUFACTURE AND INTERRUPTING CURRENT AS THE EXISTING INSTALLED. EXISTING PANEL IS A GE SPECTRA SERIES. CONTRACTOR TO FIELD VERIFY ALL REQUIREMENTS.
4. PROVIDE LABEL ON PANEL INDICATING THE ARC-FLASH HAZARD. THE LABEL SHALL MEET THE REQUIREMENTS OF NEC 110.16(A) AND 110.21(B) AND BE LOCATED ON THE EXTERIOR COVER OF THE PANEL.



MAIN DISTRIBUTION PANEL 'M'
(120/208V, 3 PHASE, 4W, 600A)

5 ONE-LINE DIAGRAM
SCALE: NONE



NOTE:
WHERE SHOWN ON THE DRAWINGS MOUNT JUNCTION BOXES FOR DEVICES, DATA/COMM. , A/V AND SYSTEM FURNITURE CONNECTIONS NEXT TO EACH OTHER (TYPICAL ALL LOCATIONS). JUNCTION BOXES THAT ARE MOUNTED IN SEPARATE STUD SPACES WILL BE RELOCATED.

4 TYPICAL JUNCTION BOX MOUNTING DETAIL
SCALE: NONE

LOAD TABLE - EXISTING 120/208V, 3 PHASE, 600 AMP SERVICE

DESCRIPTION	LOAD (KW)		LOAD (AMPS)	
EXISTING LOAD (PEAK DEMAND)	63	**	175	**
EXISTING LOAD X 125%	79		220	
NEW ADDED LOADS	21		58	
TOTAL NEW SERVICE LOAD	100		278	

** = PEAK DEMAND VALUE WAS TAKEN FROM ONE (1) YEAR OF POWER BILLS PROVIDED BY THE OWNER.

Panel Name	Feeder Length in Feet "L"	Upstream Available Fault Current "I(s.c.)" (Amps)	Wire Size	Cable Type (1/C, 3/C)	Wire Type (CU or AL)	Conduit Type	Constant C (Based on Wire and Conduit) "C"	Line-to-Line Voltage "E1"	Number of Parallel Conductors "n"	F = √3 x L x I(s.c.) / n x C x E1	M = 1 / 1 + F	Available Fault Current at Panel = M x I(s.c.)	Panel Shall be Full or Series Rated	SUGGESTED AIC RATING (AMPS)
M		42000	350	1/C	AL	PVC	16813	208	2	0.0000	1.0000	42,000	Full	65,000
D	97	42000	1/0	1/C	AL	PVC	5838	208	1	5.8110	0.1468	6,166	Full	10,000
LC5	93	6166	3	1/C	AL	PVC	2961	208	1	1.6128	0.3827	2,360	Full	10,000

EQUIPMENT SCHEDULE

UNIT NAME	DESCRIPTION	LOAD	TYPE	VOLTAGE	PHASE	AMPERAGE	CONDUIT SIZE	WIRES NO.	WIRES SIZE	STARTER / DISCONNECT/ CONNECTION AT UNIT NOTE	STARTER SIZE	OCP SIZE	OCP POLES	DISCONNECT SIZE	DISCONNECT POLES	REMARKS
CU-11	CONDENSING UNIT	23.5	MCA	208	1	23.5	3/4"	2	8	12A	-	-	-	-	-	
CU-12	CONDENSING UNIT	16.6	MCA	208	1	16.5	1/2"	2	10	12A	-	-	-	-	-	
CP-1	CONDENSATE PUMP	2	AMPS	120	1	2	1/2"	2	12	13A	-	-	-	-	-	
EF-7	EXHAUST FAN	166	WATTS	120	1	1.38	1/2"	2	12	12A	-	-	-	-	-	
EF-8	EXHAUST FAN	81	WATTS	120	1	0.68	1/2"	2	12	12A	-	-	-	-	-	
EF-9	EXHAUST FAN	81	WATTS	120	1	0.68	1/2"	2	12	12A	-	-	-	-	-	
F-11	FURNACE	3/4	HP	120	1	13.8	1/2"	2	10	1A	-	-	-	1 HP	1	
F-12	FURNACE	1/2	HP	120	1	9.8	1/2"	2	12	1A	-	-	-	1 HP	1	
WH-2	WATER HEATER	2	AMPS	120	1	2	1/2"	2	12	13A	-	-	-	-	-	CONTROL VOLTAGE

SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

STARTER / DISCONNECT NOTES:
1. MANUAL STARTER WITH THERMAL OVERLOAD
2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL
3. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
4. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
5. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)
6. REDUCED VOLTAGE STARTER
7. COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT
8. COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
9. NON-FUSED DISCONNECT SWITCH
10. FUSED DISCONNECT SWITCH
11. BREAKER AND ENCLOSURE
12. DIRECT CONNECTION
13. DUPLEX RECEPTACLE OUTLET
14. SPECIAL PURPOSE OUTLET
15. SHUNT-TRIP BREAKER AND ENCLOSURE
16. TOGGLE SWITCH
17. MAGNETIC STARTER

INSTALLATION NOTES:
A. FURNISHED, INSTALLED, & CONNECTED UNDER DIVISION 16.
B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 16.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 16.
D. FURNISHED, INSTALLED, & CONNECTED UNDER ANOTHER DIVISION
E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 16

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2025/05/05

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Roy, Utah

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date	Description

Revisions

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
POWER DETAILS AND SCHEDULES

Sheet
EP501

KEYED NOTES: (#)

1. REMOVE EXISTING TELE-DATA DEVICE. DEMO CABLE BACK TO SOURCE. INSTALL BLANK PLATE OVER EXISTING JUNCTION BOX.
2. REMOVE EXISTING TELE-DATA DEVICE, DEMO CABLE BACK TO SOURCE, AND INSTALL NEWLY INDICATED TELE-DATA DEVICE IN EXISTING LOCATION.
3. REMOVE EXISTING CC CONTROL. INSTALL NEW TOUCH PANEL IN EXISTING LOCATION. INSTALL NEW "BT" CONNECTION PLATE.
4. REMOVE EXISTING CONTROL PLATE, AND PEDESTAL. DEMO CABLES BACK TO SOURCE. INSTALL NEW CONTROL PANEL IN NEW MILLWORK PEDESTAL AT INDICATED LOCATION.
5. REMOVE EXISTING AV DEVICE, AND CABLE. INSTALL PULL STRING. INSTALL BLANK COVER PLATE.
6. EXISTING DATA DEMARC, FIELD WALL, IN MECHAINICAL SPACE OVERHEAD.
   - 6.1. REMOVE ALL NETWORK EQUIPMENT, AND REINSTALL IN COMBINED AV/DATA RACK IN MATERIALS CENTER.
   - 6.2. EXTEND ISP (CABLE) DEMARC TO NEW AV RACK LOCATION.
   - 6.3. INSTALL NEW DUAL DATA DATA CONNECTION PLATE, IN 2-GANG BOX, ON FIELD WALL, AT EXISTING DATA DEMARC LOCATION. PATCH TO CARD ACCESS AND HVAC NETWORK EQUIPMENT.

KEYED NOTES: (#)

7. INSTALL INDICATED DEVICES IN FLOOR BOX. SEE DETAIL.
8. COORDINATE WITH DIV 02, AND DIV 26 FOR DEMOLITION OF EXISTING MIC JACKS, INSTALLATION OF NEW MIC JACK ADJACENT TO BAPTISMAL FONT, AND EXPANSION OF EXITING MIC JACK ON NORTH WALL TO DOUBLE GANG BOX, AND INSTALLATION OF NEW AV DEVICES IN THESE LOCATIONS.
9. REINSTALL DEMOED DISPLAY AND MOUNT. INSTALL DISPLAY WITH SO TOP OF SCREEN IS NO MORE THAN 2" BELOW CEILING.
10. EXISTING AUDIO RACK. REMOVE CENTER SECTION OF RACK, MOUNT FRONT DOOR TO BACK PAN, AND SECURE CLOSED. MAY BE USED AS LOW-VOLTAGE AV AND DATA WIRE PULL BOX. SPLICED WIRES SHALL NOT BE PERMITTED.
11. PROVIDE MINIMUM STRANDED #6 AWG GROUNDING CONDUCTOR TO NEAREST PANEL, AND BOND TO EQUIPMENT RACK.
12. INSTALL RACK WITH BACK PAN AGAINST EXTERIOR WALL. HINGE RACK TO OPEN AWAY FROM ADJACENT INTERIOR WALL WITH MINIMUM 4" BETWEEN RACK AND WALL.

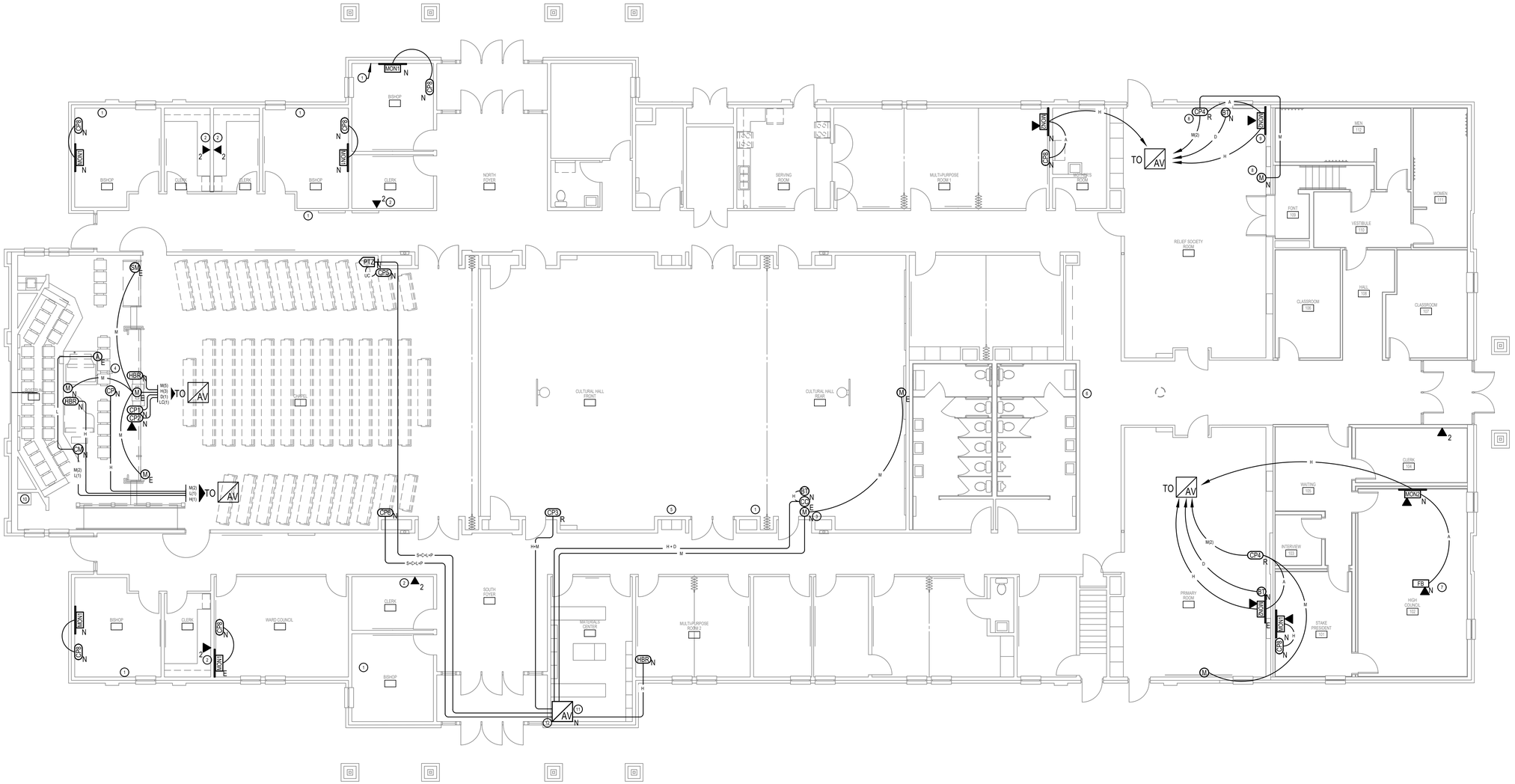
GENERAL NOTES:

1. ALL DEMOLITION WORK SHOWN ON THIS SHEET SHALL BE PERFORMED BY THE DIV 27 CONTRACTOR, AND COORDINATED TO ENSURE SYSTEMS REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION.

CP2 — DEVICE SYMBOL
X — DESIGNATION
N = NEW DEVICE IN NEW LOCATION.
E = NEW DEVICE IN EXISTING DEVICE LOCATION.
R = NEW DEVICE IN RENOVATED LOCATION.

TYPICAL TECHNOLOGY SYMBOL DESIGNATIONS

SCALE: NONE



A TECHNOLOGY PLAN

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

NORTH

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2025/05/05

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number	25-12
Plan Series	Stake Suite Addition
Property Number	548-6467-24020101
Date	May 5, 2025

Sheet Title
TECHNOLOGY PLAN

Sheet
ET101

KEYED NOTES:

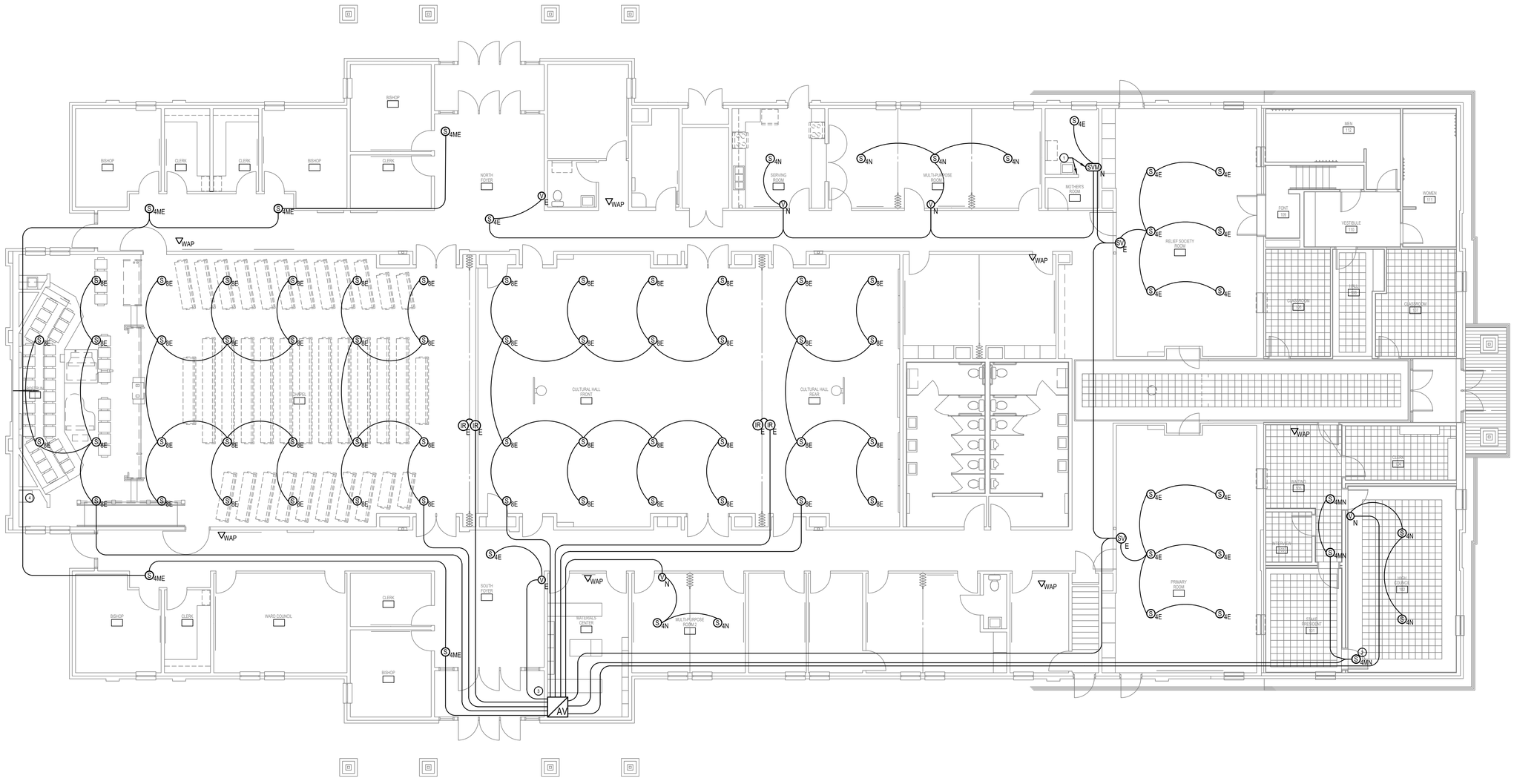
1. REMOVE EXISTING AV DEVICE, INSTALL NEW DEVICE IN INDICATED LOCATION. EXISTING CABLES MAY BE REUSED, PROVIDED THEY ARE LONG ENOUGH TO REACH THE NEW LOCATION WITHOUT SPLICING THE CABLE. OTHERWISE REPLACE ENTIRE CABLE.
2. TAP SPEAKER AT ¼ WATT.
3. STUB QTY (5) 2" CONDUIT FROM AV RACK TO MECHANICAL WALK WAY ABOVE HALLWAY.
4. REMOVE AND DISPOSE OF EXISTING ALS RF BROADCAST ANTENNA, CABLE, AND MOUNT.

GENERAL NOTES:

1. ALL DEMOLITION WORK SHOWN ON THIS SHEET SHALL BE PERFORMED BY THE DIV 27 CONTRACTOR, AND COORDINATED TO ENSURE SYSTEMS REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION.
2. UNLESS OTHERWISE NOTED, NEW DEVICE ROUGH-IN SHALL BE PROVIDED AND INSTALLED BY DIV 26. REFER TO ELECTRICAL SYSTEM EQUIPMENT LIST ON ET601 FOR DEVICE SPECIFIC DEVICE REQUIREMENTS.

CP4 — DEVICE SYMBOL
X — DESIGNATION
N = NEW DEVICE IN NEW LOCATION.
E = NEW DEVICE IN EXISTING DEVICE LOCATION.
R = NEW DEVICE IN RENOVATED LOCATION.

TYPICAL TECHNOLOGY SYMBOL DESIGNATIONS
SCALE: NONE



A RCP AV PLAN
SCALE: 3/16" = 1'-0"

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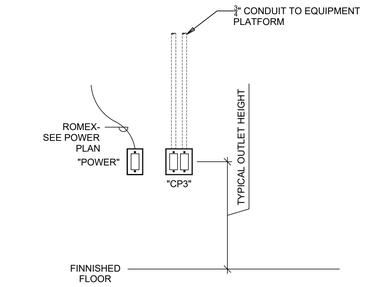
Project for:
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Revisions		
Mark	Date	Description

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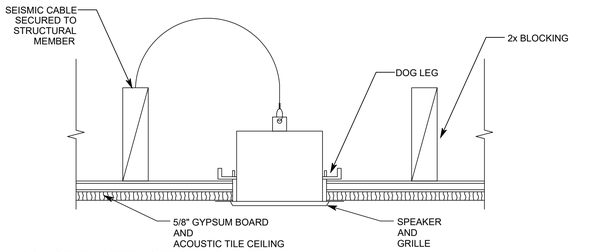
Sheet Title
REFLECTED CEILING AV PLAN

Sheet
ET102



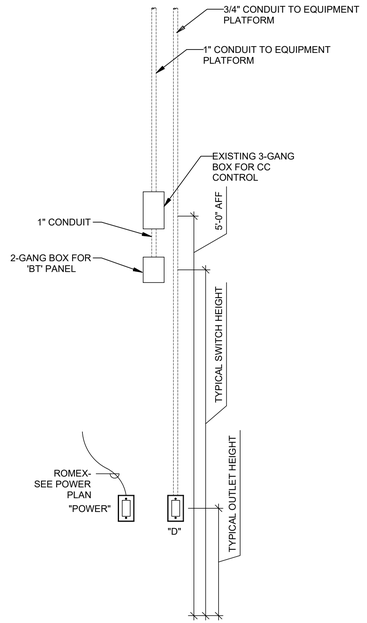
CULTURAL CENTER 'CP3' AV DEVICE MOUNTING DETAIL

8 NO SCALE



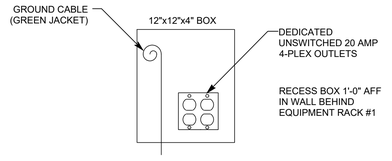
SPEAKER SEISMIC DETAIL

7 NO SCALE



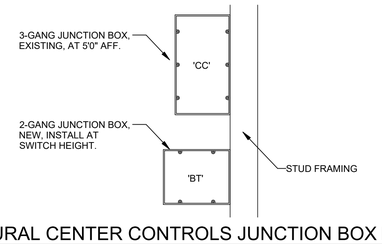
REAR CULTURAL CENTER AV DEVICE MOUNTING DETAIL

5 NO SCALE



AV POWER JUNCTION BOX

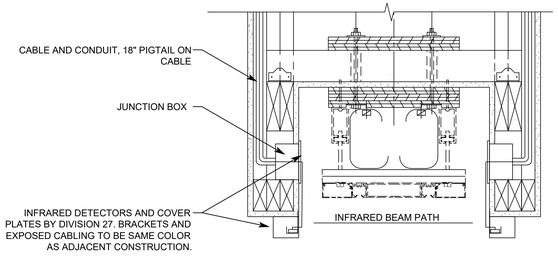
6 NO SCALE



CULTURAL CENTER CONTROLS JUNCTION BOX DETAIL

4 NO SCALE

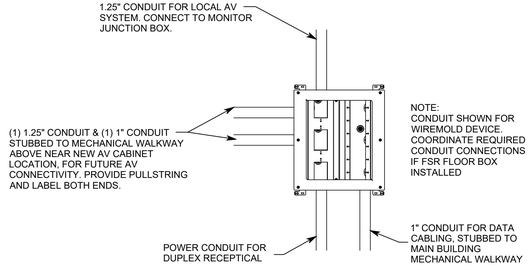
BT CC



HEADER DETAIL (IN CULTURAL CENTER)

3 NO SCALE

IR



HIGH COUNCIL FLOOR BOX DETAIL

1 NO SCALE

FB

ELECTRICAL SYSTEM EQUIPMENT LIST

SYM	DESCRIPTION	QTY	NOTES
X E, XX E, XXX E	"E" DESIGNATED DEVICES.	OFP	REUSE EXISTING EXISTING ROUGH-IN, NEW RACE WAY MAY BE REQUIRED FOR CONNECTION TO NEW DEVICES. SEE NEW DEVICE REQUIREMENTS.
M D, CP5	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP SINGLE GANG PLASTER RING, MOUNTED AT OUTLET HEIGHT, OR AS NOTED.	OFP	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP SINGLE GANG PLASTER RING, MOUNTED AT OUTLET HEIGHT, OR AS NOTED.
CP1, CP2	2-1/8" DEEP, TRIPLE GANG BOX, MOUNTED ON PULPIT SIDE	OFP	SEE DETAIL 8/TA501 COORDINATE WITH MILLWORK DETAILS ON ARCHITECTURAL SHEETS
CP3, CP4, CP6, CP8	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP DOUBLE GANG PLASTER RING MOUNTED AT ELECTRICAL OUTLET HEIGHT	OFP	SEE DETAILS 4/ET602, 3, 7, & 9/TA501, AND 6/TA502
HBR	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP SINGLE GANG PLASTER RING MOUNTED AT ELECTRICAL OUTLET HEIGHT, OR AS NOTED	OFP	
V N	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP PLASTER RING, MOUNTED AT ELECTRICAL SWITCH HEIGHT. ¾" C. TO CIRCUITED SPEAKER, AND 1" C. TO MECHANICAL WALKWAY ABOVE.	OFP	
WAP	2-1/8" DEEP, SINGLE GANG BOX W/ 5/8" SINGLE GANG PLASTER RING, FLUSH MOUNTED IN CEILING	OFP	PROVIDE ¾" C. FROM CEILING BELOW MECHANICAL WALK WAYS TO UNDERSIDE OF FINISHED CEILING IN MECHANICAL SPACE.
2	2-1/8" DEEP, DOUBLE GANG BOX MOUNTED AT ELECTRICAL OUTLET HEIGHT, W/ ¾" DEEP SINGLE GANG PLASTER RING.	OFP	
BT, SV, SVM	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP DOUBLE GANG PLASTER RING, MOUNTED AT ELECTRICAL SWITCH HEIGHT.	OFP	SEE DETAILS 4 & 5/TA501 AND 5/TA502 PROVIDE MIN 1" C. TO MECHANICAL WALK WAY IN MECHANICAL SPACE ABOVE.
CC E	REUSE EXISTING BOX. PROVIDE ADDITIONAL 1" C TO BLUETOOTH DEVICE JUNCTION BOX BELOW. IF EXISTING CONDUIT, IS LESS THAT 1", ADD SECOND ¾" C TO MECHANICAL WALK WAY ABOVE.	1	SEE DETAILS 4, 5 & 8/ET601
CM	2-1/8" DEEP, SINGLE GANG BOX MOUNTED IN VERTICAL FACE OF RISER. ¾" C. STUB TO MECHANICAL WALKWAY ABOVE.	OFP	PROVIDE MIN ¾" C. TO MECHANICAL WALK WAY ON SOUTH SIDE. SEE DETAIL 6/TA501
CP	CONTROL PEDESTAL, STUB MIN 1" CONDUIT FROM MECHANICAL WALK WAY ABOVE THROUGH FLOOR AT NEW LOCATION.	1	COORDINATE WITH MILLWORK DETAILS ON ARCHITECTURAL SHEETS
A	REUSE EXISTING, JUNCTION BOX AND CABLE PATHWAYS.	0	
	CAMERA JUNCTION BOX 3-1/4" DEEP, 4-11/16" SQUARE BOX W/ ¾" DEEP DOUBLE GANG PLASTER RING, MOUNTED AT 90° AFF. PROVIDE QTY(1) 1-1/2" C & ¾" C. TO MECHANICAL WALK WAY ABOVE.	OFP	SEE DETAIL 5/ET602
FB	FLOOR BOX, MIN. 4" STEEL. WITH ACCESSORIES REQUIRED TO INSTALL ON-GRADE. ARCHITECT TO CHOOSE COLOR AND TYPE OF COVER.	1	WIREMOLD RFBA10R55OG FSR FL-500P-4-B / FL-500-X / FL-GRD4 SEE DETAILS 1/ET601 AND 3/TA502
MON2 E	LARGE CAPACITY JUNCTION BOX, INCLUDING FLANGE KIT AND COVER, MOUNTED IN WALL AT 12" BELOW FINISHED CEILING.	OFP	CHIEF PAC 525FCW, SEE DETAILS 3,4, & 6/ET602
MON1 E	QTY(1) 2-1/8" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP SINGE GANG PLASTER RING, MOUNTED BEHIND DISPLAY WITH 1-1/2" C. TO 'CP4' DEVICE JUNCTION BOX, AND 1" C TO MECHANICAL WALKWAY ABOVE. QTY(1) 2-1/8" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP SINGE GANG PLASTER RING, MOUNTED BEHIND DISPLAY WITH 1" C. MECHANICAL WALKWAY ABOVE.	OFP	
AV	STUB QTY(5) 2" C. FROM AV RACK BACK PAN TO MECHANICAL WALK WAY ABOVE.	OFP	
IR	NONE, EXISTING	0	SEE DETAIL 3/ET601
S 4E	NONE, EXISTING	0	
S 4N	SPEAKER MOUNTING RING	OFP	FURNISHED BY DIVISION 27, INSTALLED BY DIVISION 26 SEE DETAIL 7/ET601
S 4ME	NONE, EXISTING	OFP	
S 4MN	SPEAKER ENCLOSURE, ¾" C. BETWEEN SPEAKERS AND TO MECHANICAL WALK WAY ABOVE	OFP	ENCLOSURE IS FURNISHED BY DIVISION 27, INSTALLED BY DIV 26. SEE DETAIL 7/ET601
S 8E	NONE, EXISTING	OFP	
	NONE, EXISTING	OFP	FURNISHED AND INSTALLED BY DIVISION 26. SEE DETAILS 1 & 2/ET602

MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS
A/R = AS REQUIRED, OFP = OBTAIN FROM PLANS, OFE=OWNER FURNISHED EQUIPMENT

GENERAL PROJECT NOTES

1. NO CHANGES SHALL BE MADE WITHOUT THE PROJECT AV/STRUCTURED CABLING CONSULTANT'S WRITTEN CONSENT.
2. REFER TO DRAWINGS FOR EXACT NUMBER OF COMPONENTS USED IF NOT SPECIFIED IN EQUIPMENT LIST.
3. PROVIDE CONDUIT FOR ALL LOW VOLTAGE CABLES SHOWN ON ET SHEETS AS FOLLOWS:
   - 3.1. PROVIDE CONDUIT FOR H, C, D, A, AND S CABLES FROM DEVICE TO MECHANICAL EQUIPMENT WALKWAY ABOVE. CABLES MAY THEN RUN EXPOSED, UNTIL ENTERING CONDUITS FROM WALK WAY TO NEW AV EQUIPMENT CABINET.
   - 3.2. PROVIDE CONDUIT FOR ALL ROSTRUM DEVICES TO MECHANICAL WALK WAY.
   - 3.3. ALL CABLING IN WALLS SHALL BE IN CONDUIT.
   - 3.4. SIZE CONDUIT AS NOTED, OR ACCORDING TO CODE, WHICHEVER IS GREATER, WITH ¾" MINIMUM.
   - 3.5. INSTALL DIFFERENT CABLE TYPES IN SEPARATE CONDUITS, UNLESS OTHERWISE NOTED. SEPARATE CABLES OUTSIDE OF CONDUIT BY MIN. 12".
   - 3.6. ALL CONDUITS WITH OR WITHOUT CABLES SHALL HAVE A PULL STRING.
   - 3.7. LABEL ALL CONDUITS WITH DESTINATION.
   - 3.8. DEBUR ALL CONDUIT STUNS AND FIT WITH PLASTIC BUSHING.
   - 3.9. RACEWAY SHALL BE FURNISHED AND INSTALLED BY DIV 26. CABLING IS FURNISHED AND INSTALLED BY DIV 27. CABLING AND TERMINATIONS SHALL BE ACCORDING TO 271501.
4. DIVISION 26 INSTALLER IS TO PROVIDE ALL ROUGH-IN INDICATED FOR DIVISION 27 INSTALLED. ALL ROUGH-IN SHALL COMPLY WITH ANSI/TIA/EIA 569-B STANDARDS. THIS INCLUDES BUT IS NOT LIMITED TO THE LIMITATION OF (2) 90° BENDS PER CONDUIT. ITS IS THE DIVISION 26 INSTALLERS RESPONSIBILITY TO ENSURE COMPLIANCE WITH STANDARD.
5. SPEAKER TRIM RINGS, AND MONITOR BACK BOXES ARE FURNISHED BY DIV 27, AND INSTALLED BY DIV 26.
6. ET SHEETS SHOW WORK AND MATERIALS BY DIVISION 26 AND DIVISION 27. SEE SPECIFICATIONS AND DRAWING NOTES FOR RESPONSIBILITY FOR EACH ITEM.
7. PROVIDE GROUNDING SHOWN ON DRAWINGS AND IN COMPLIANCE WITH CODE AND ANSI/TIA/EIA 569-B.

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Project for:
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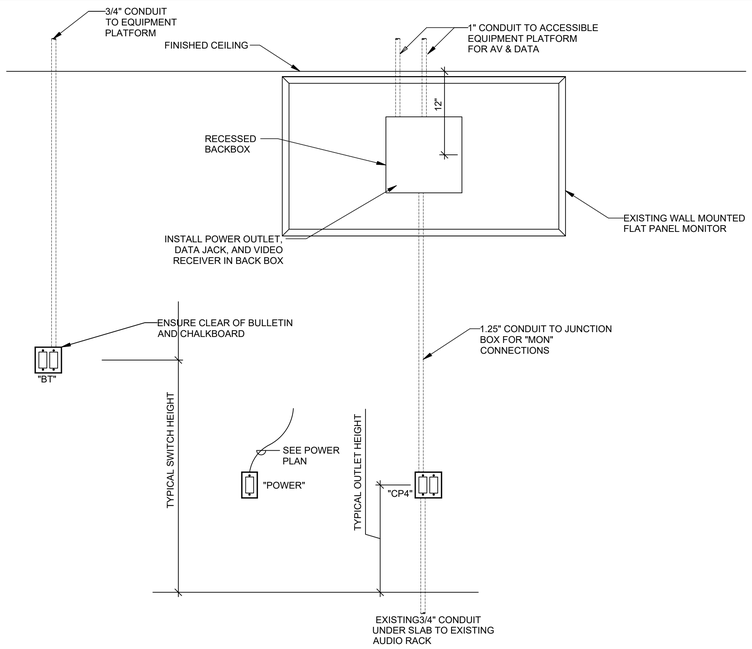
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Mark	Date	Description	

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

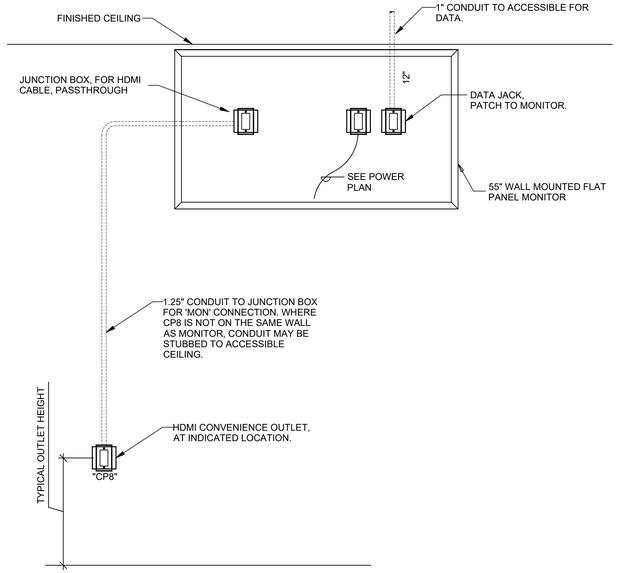
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AV ROUGH-IN SCHEDULES, NOTES, DETAILS AND DIAGRAMS

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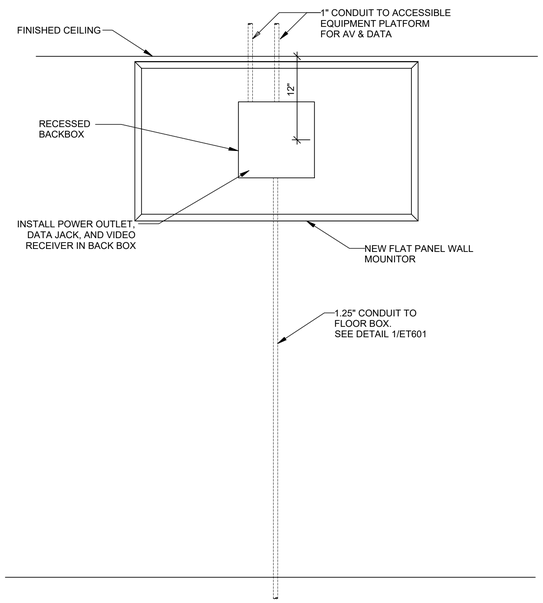
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ET601



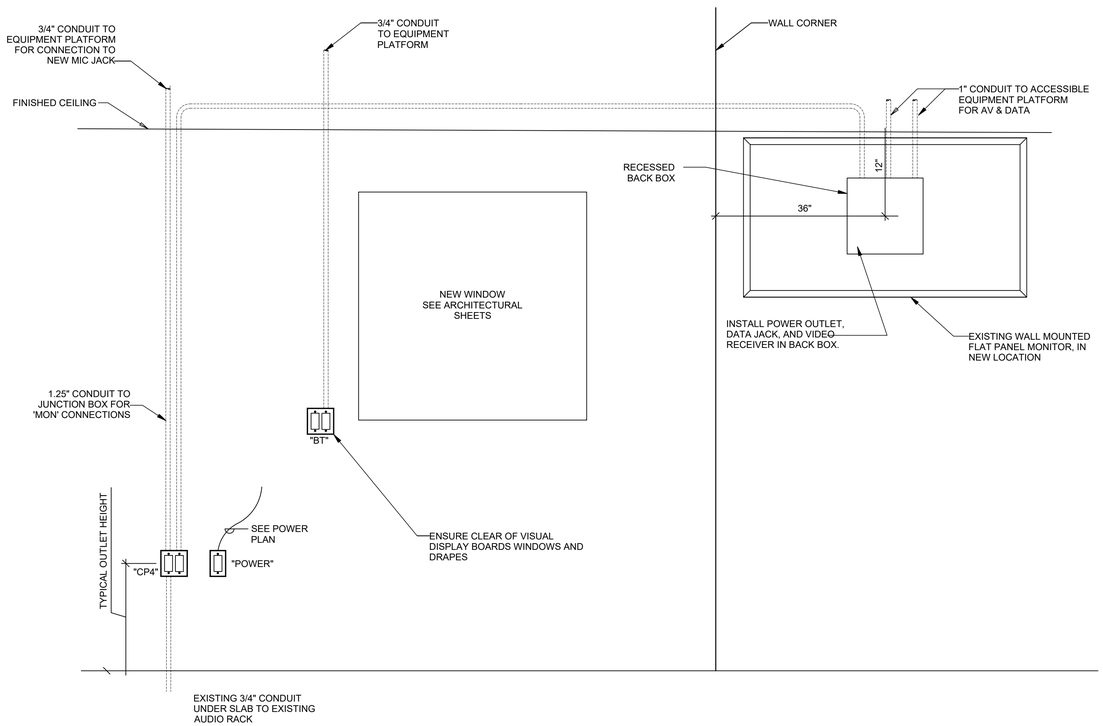
6 PRIMARY ROOM ELEVATION DETAIL
NO SCALE



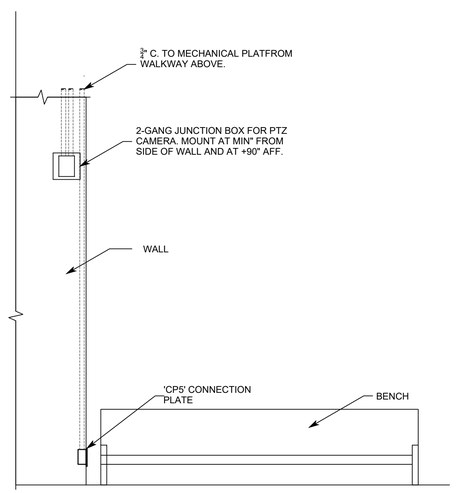
7 BISHOP OFFICES MONITOR ELEVATION DETAIL
NO SCALE



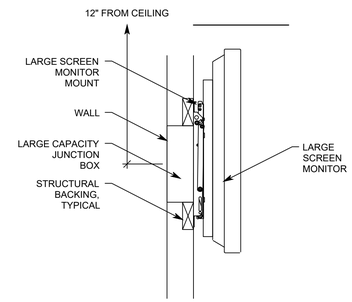
8 HIGH COUNCIL DISPLAY ELEVATION DETAIL
NO SCALE



4 RELIEF SOCIETY ROOM ELEVATION DETAIL
NO SCALE



5 CAMERA ENCLOSURE DETAIL
NO SCALE



3 WALL MOUNTED FLAT PANEL DETAIL
NO SCALE
MON2

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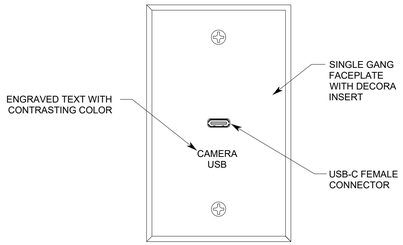
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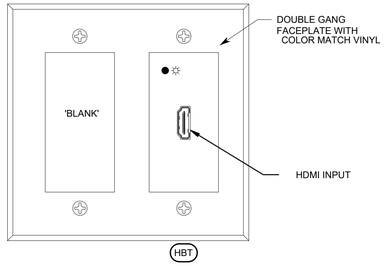
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ET602



10 CAMERA USB-C, CONNECTION PANEL DETAIL 'CP5'

NO SCALE

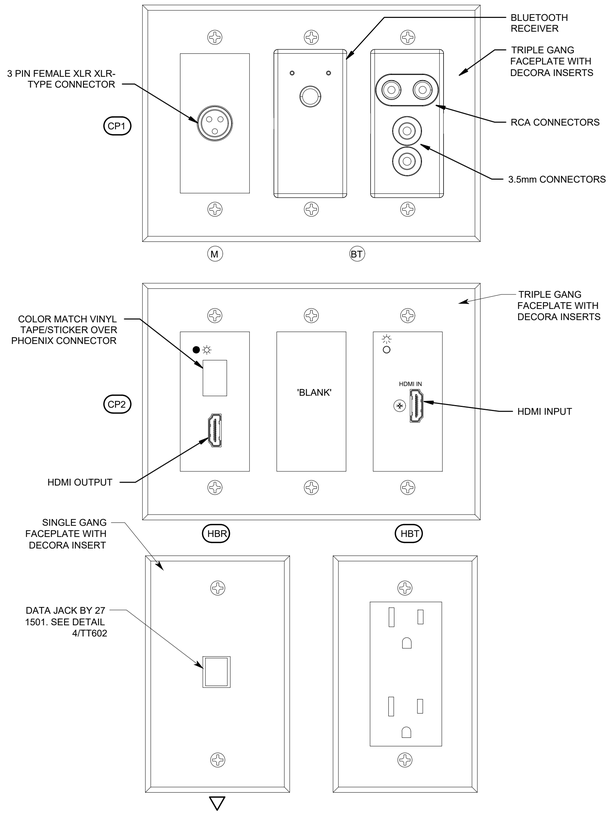
CP5



9 CHAPEL HDMI TRANSITTER, CONNECTION PANEL #6

NO SCALE

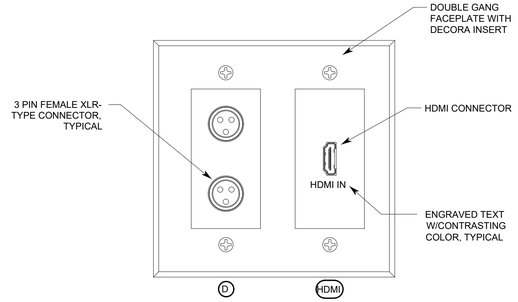
CP6



8 PULPIT CONNECTION DETAILS

NO SCALE

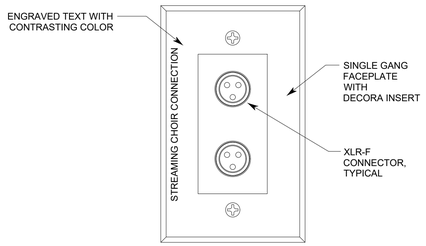
CP1 CP2



7 CLASSROOM MIC AND HDMI, CONNECTION PANEL #4

NO SCALE

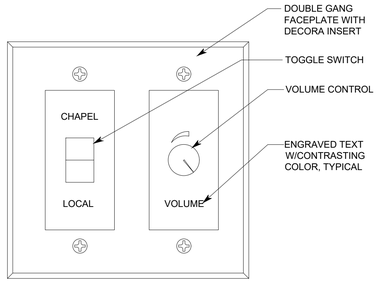
CP4



6 CHOIR MIC CONNECTION PANEL DETAIL 'CM'

NO SCALE

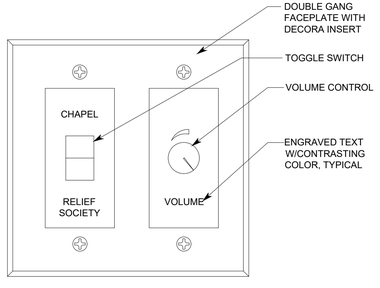
CM



5 VOLUME CONTROL 'SV'

NO SCALE

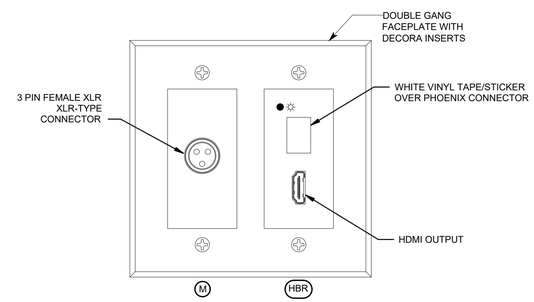
SV



4 MOTHERS ROOM CONTROLLER

NO SCALE

SVM



3 CULTURAL CENTER AV CONNECTION PANEL #3

NO SCALE

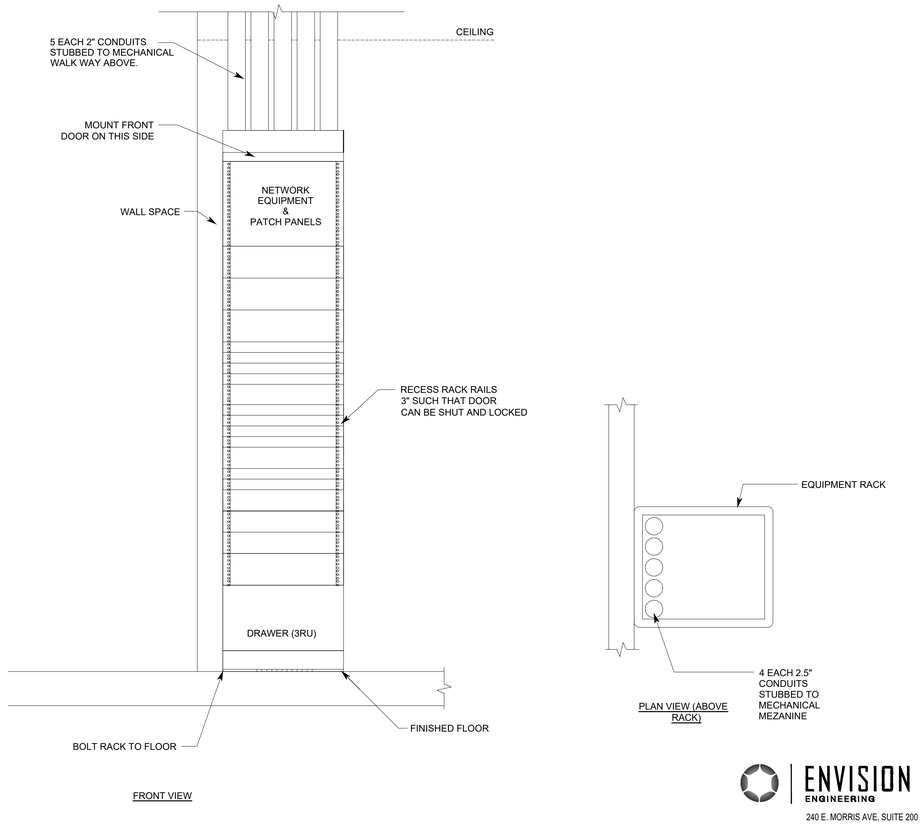
CP3



2 HELP DESK PANEL

NO SCALE

HDP



1 EQUIPMENT RACK ELEVATION AND DETAILS

NO SCALE

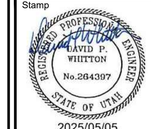
AV

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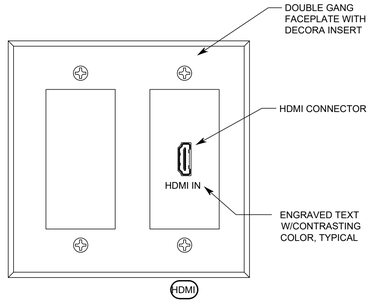
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Plan Series	Stake Suite Addition
Property Number	548-6467-24020101
Date	May 5, 2025

Sheet Title

AV SYSTEM DETAILS

Sheet

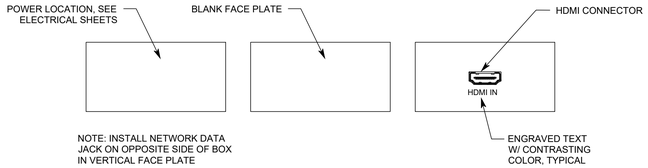
TA501



7 CLASSROOM & ECCLESIASTICAL OFFICES, CONNECTION PANEL #8

NO SCALE

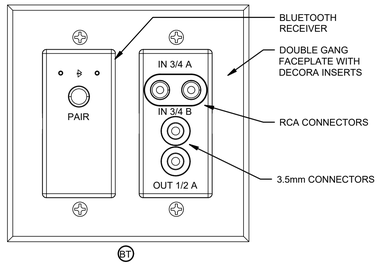
CP8



3 HIGH COUNCIL ROOM FLOOR BOX CONNECTION PANEL 'FB'

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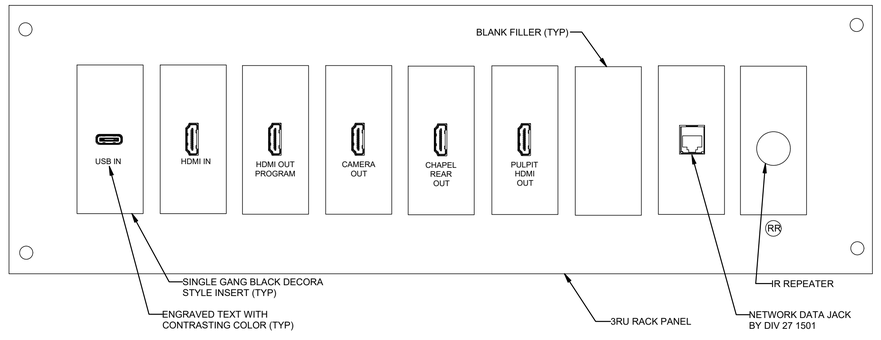
FB



5 BLUETOOTH & LINE LEVEL AUDIO CONECTION 'BT'

NO SCALE

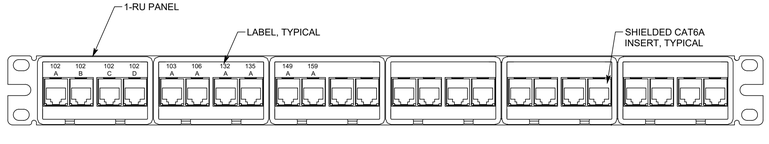
BT



2 CONNECTION PANEL #11

NO SCALE

CP11

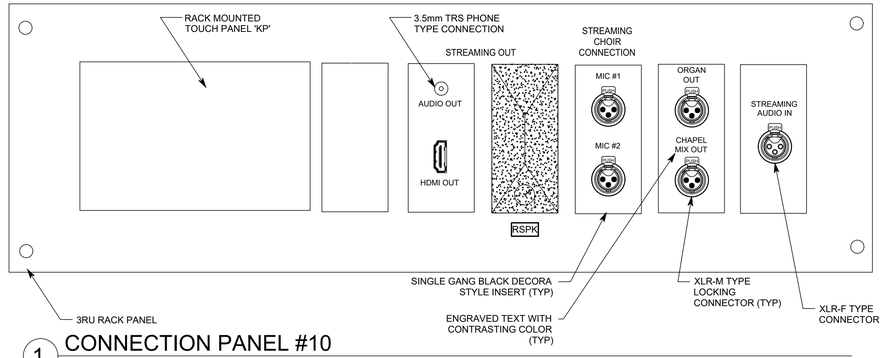


NOTE:

NUMBER SHOWN MATCHES DESIGN ROOM NUMBERS. FINAL LABELING FOR PATCH PANEL AND OUTLETS SHALL MATCH SIGNAGE POSTED FOR ROOMS.

4 DPPA PATCH PANEL DETAIL, 24-PORT

NO SCALE



1 CONNECTION PANEL #10

NO SCALE

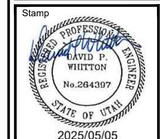
CP10

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AV SYSTEM DETAILS

Sheet

TA502

AUDIO-VIDEO SYSTEM EQUIPMENT LIST

SYM	DESCRIPTION	QTY	ACCEPTABLE TYPES
	12" LADDER RACK W/ WALL AND RACK ATTACHMENTS	A/R	CHATSWORTH 10250-712 MIDDLE ATLANTIC CLB-6
HDA	HDMI DISTRIBUTION AMPLIFIER, 2 PORT SHELF	OFP	EXTRON DA2 HD 4K PLUS
			EXTRON RSB 123
HDA4	HDMI DISTRIBUTION AMPLIFIER, 4 PORT SHELF	OFP	EXTRON DA4 HD 4K PLUS
			EXTRON RSB 123
HBDA	HD BASE T DISTRIBUTION AMPLIFIER, 8 PORT	OFP	EXTRON DTP HD DA8 4K 330
HBR	HD BASE T WALL RECEIVER	OFP	EXTRON DTP R HWP 4K 331 D, DECORA BLANK INSERT AND DOUBLE GANG DECORA SURROUND
HBR2	HD BASE T RECEIVER, RACK MOUNT	OFP	EXTRON DTP HDMI 4K 330 RX
HBT2	HD BASE T TRANSMITTER, RACK MOUNT	OFP	EXTRON DTP HDMI 4K 330 TX
CP1	MICROPHONE INPUT MODULE	OFP	EMTECH MSC-M RCI LDS002-MF-X (X=COLOR)
	BLUETOOTH RECEIVER AND LINE LEVEL IN/OUT CONNECTION, DANTE	OFP	QSC ATTERO TECH unD6IO-BT RDL DD-BTN44
CP2	HDMI HD BASE T WALL RECEIVER	OFP	EXTRON DTP R HWP 4K 331 D
	HDMI HD BASE T WALL TRANSMITTER	OFP	EXTRON DTP T HWP 4K 331 D
VS	HDMI SWITCHER	OFP	EXTRON IN1806 / IN1808
S2H	SDI TO HDMI CONVERTER	OFP	DECIMATOR 12G-CROSS BLACK MAGIC TERANEX MINI SDI TO HDMI 12G
DPPA	HDBaseT PATCH PANEL, SHIELDED CAT6 CONNECTIONS FURNISHED AND INSTALLED BY VIDEO INSTALLER	OFP	SEE DETAIL 4/TA502
CP	CHAPEL CONTROL PEDESTAL PLATE	OFP	QSC TSC-50-G3 W/ 3-GANG 1/16" METAL BLACK ANODIZED MOUNTING PLATE SEE ARCHITECTURAL MILLWORK DETAILS
CC	CULTURAL CENTER REMOTE CONTROL	OFP	QSC TSC-50-G3
	WALL BOX WITH WINDOW	OFP	FSR WB-PSTSC
NS	OWNER STANDARD NETWORK SWITCH.	OFCI	OWNER FURNISHED-INSTALLED BY DIV 271501, SEE DETAIL TT602
SV	SOURCE AND VOLUME REMOTE CONTROL, 50 WATT	OFP	EMTECH MSC-S W/ MSC-V35 RCI EQUIVALENT SEE DETAIL 5/TA501
RM	FLAT SCREEN TV, 19", FRONT PANEL CONTROLS ACCESSIBLE FROM FRONT WITH RACK MOUNT	OFP	TOTEVISION LED 1562 HDR OR APPROVED EQUIVALENT
S 4E	4" LOUDSPEAKER, EXISTING	OFP	ATLAS IED FA134T87
	LOUDSPEAKER GRILLE	0	REUSE EXISTING
	LOUDSPEAKER ENCLOSURE	0	REUSE EXISTING
S 4N	4" LOUDSPEAKER, NEW	OFP	ATLAS IED FA134T87
	LOUDSPEAKER GRILLE		ATLAS FA720-4 OR LOWELL CN-4M
	LOUDSPEAKER ENCLOSURE		ATLAS IED E410-11
S 4MN	4" LOUDSPEAKER	OFP	ATLAS SOUND FC104T72 LOWELL JR410-T470
	LOUDSPEAKER GRILLE	OFP	ATLAS SOUND T720-4BT OR LOWELL CN-4M
	LOUDSPEAKER ENCLOSURE	OFP	ATLAS SOUND E410-11
S 4ME	4" LOUDSPEAKER	OFP	ATLAS SOUND FC104T72 LOWELL JR410-T470
	LOUDSPEAKER GRILLE	0	REUSE EXISTING
	LOUDSPEAKER ENCLOSURE	0	REUSE EXISTING
S 8E	8" LOUDSPEAKER, EXISTING	OFP	ATLAS SOUND FA6260T-8MB
	LOUDSPEAKER GRILLE	OFP	REUSE EXISTING, PROVIDE TORSION SPRING EXTENSION AS NEEDED.
	LOUDSPEAKER ENCLOSURE	OFP	RE-USE EXISTING
MON1 N	FLAT SCREEN TV, 65" IN MEETING ROOMS, 50" IN OFFICES	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
	FLAT PANEL WALL MOUNT	OFCI	PEERLESS AV HPF650, OWNER FURNISHED, CONTRACTOR INSTALLED
MON2 E	FLAT SCREEN TV, 65" IN MEETING ROOMS	0	REUSE EXISTING
MON2 R	FLAT PANEL WALL MOUNT	0	REUSE EXISTING
HBR2	HD BASE T RECEIVER, FURNITURE MOUNT	OFP	EXTRON DTP HDMI 4K 330 RX
MON2 N	FLAT SCREEN TV, 65" IN MEETING ROOMS	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
	FLAT PANEL WALL MOUNT	OFCI	PEERLESS AV HPF650, OWNER FURNISHED, CONTRACTOR INSTALLED
HBR2	HD BASE T RECEIVER, FURNITURE MOUNT	OFP	EXTRON DTP HDMI 4K 330 RX
ST	BLUETOOTH RECEIVER AND LINE LEVEL IN/OUT CONNECTION, DANTE	OFP	QSC ATTERO TECH unD6IO-BT RDL DD-BTN44
STR	HDMI TO USB CONVERTER	OFP	RAZER RIPSAW X W/ 6' HDMI PATCH CORD
HAE	HDMI AUDIO EGRESS	1	EXTRON HAE 100 4K PLUS

SYM	DESCRIPTION	QTY	ACCEPTABLE TYPES
	HIGH IMPACT NYLON COVER PLATES FOR ALL DECORA STYLE AV MODULES, NUMBER OF GANGS AS REQUIRED. COLORS TO MATCH NEARBY ELECTRICAL DEVICES	OFP	HUBBELL OR LEVITON SEE PANEL DETAILS TA501 & TA502
M E M N SM	MICROPHONE INPUT MODULE	OFP	EMTECH MSC-M RCI LDS002-MF-X (X=COLOR) (FOR 'SM', SEE DETAIL 5/ET601
A	ORGAN INPUT, CABLE MOUNTED MICROPHONE CONNECTOR	OFP	SWITCHCRAFT A3FB NEUTRIK NC3FX-BAG
	50'-0" MICROPHONE EXTENSION CABLES W/ BLACK CONNECTORS	1	WHIRLWIND MK450 PRO CO OR C2G EQUIVALENT
	25'-0" MICROPHONE EXTENSION CABLES W/ BLACK CONNECTORS	2	WHIRLWIND MK425 PRO CO OR C2G EQUIVALENT
	MICROPHONE, GENERAL USE	2	AUDIO-TECHNICA ATM610AS AKG D5-S
	MICROPHONE, CHAPEL PULPIT	1	AUDIO-TECHNICA ES905CLA
	MICROPHONE, SACRAMENT TABLE	1	EMTECH BLU-SM
	MICROPHONE,GOOSENECK. INSTALL ON PRIMARY ROOM & RS ROOM PULPIT WITH METAL MOUNTED FEMALE XLR WIRED TO MALE XLR INSIDE PULPIT IN WIREMOLD BOX.	2	AUDIO TECHNICA U855QL W/ CABLE, JUNCTION BOX, AND RCI LDS0002-RCI-PMJ
	10'-0" MICROPHONE EXTENSION CABLE W/ BLACK CONNECTORS	1	WHIRLWIND MK410 PRO CO OR C2G EQUIVALENT
	15'-0" MICROPHONE EXTENSION CABLE W/ BLACK RIGHT ANGLE MALE CONNECTOR FOR PRIMARY & RS ROOM MICROPHONES	2	WHIRLWIND MK415 PRO CO OR C2G EQUIVALENT
	8'-0" PEDESTRIAN STRIP	1	TECHFLEX DRN 3.00BK
	MICROPHONE STAND, FLOOR TYPE	2	ATLAS SOUND MS-20E W/PB21 XEB KONIG AND MEYER 210/9
ALS	ASSISTED LISTENING SYSTEM & TRANSLATION SYSTEM, WIFI, W/ 8 RECEIVERS	1	LISTEN MH-02-01
V E V N	VOLUME CONTROL MODULE	OFP	EMTECH MSC-V10 OR V35 AS APPROPRIATE FOR SPEAKER LOAD RCI LDS002-MSCV-35
SVM	SOURCE AND VOLUME CONTROL	OFP	EMTECH MSC-S WITH EMTECH MSC-V10 WITH SPECIAL LABELING ACCORDING TO DETAIL 4/TA501
CM	MICROPHONE INPUT, DUAL, W/ CUSTOM LABEL	OFP	EMTECH MSC-D, SEE DETAIL 6/TA501
	CAMERA, PTZ, IP STREAMING & CONTROL, CMOS, SDI OUT, WHITE W/ MOUNT	OFP	CLEAR TOUCH RL500 W/ CTS-WMNTB-RL45 SHELF
	INSTALLED HDMI INTERCONNECT CABLE, 3'	A/R	HDMI HIGH SPEED
	INSTALLED HDMI INTERCONNECT CABLE, 6'	A/R	
	HDMI CABLE, 15 FEET, FOR OWNER	3	
	HDMI CABLE, 50 FEET, FOR OWNER	1	
	USB-C TO DISPLAY PORT CABLE INSTALLED BETWEEN 'CP11' & 'VS'	1	
1	AV EQUIPMENT CABINET, FLOOR STANDING W/ VENTED FRONT DOOR	OFP	MIDDLE ATLANTIC SR40-28, AND VFD-40
	DRAWER	1	MIDDLE ATLANTIC UD3 ATLAS SOUND SD3-14
	SHELF	1	MIDDLE ATLANTIC SS LOWELL RSD-116
	VERTICAL POWER STRIPS W/ MOUNTING BRACKETS	2	MIDDLE ATLANTIC PDT-2020-NS, AND PB-DWR LOWELL RSD-116
	LACER BARS & STRIPS	A/R	MIDDLE ATLANTIC
	BLANK PANELS AND VENT PLATES	A/R	BLACK, ALUMINUM
HWM	HORIZONTAL WIRE MANAGER, NOT MORE THAN 3" DEEP	A/R	MIDDLE ATLANTIC OR AS APPROVED
ADSP	AUDIO MIXER, DIGITAL SIGNAL PROCESSOR W/ POWER SUPPLY, I/O MODULES, RELAYS, AND ACCESSORIES AS REQUIRED.	OFP	QSC CORE 110F V2 W/ UCI & SCRIPTING LICENSES & DANTE LICENCE AS REQUIRED
IOE	IO EXPANSION	1	QSC QIO-GP8X8
IPCC	IP CONTACT CLOSURE MODULE	1	GLOBAL CACHE; TACH IP2CC
	24V POWER SUPPLY	1	RDL PS-24AS
PA	POWER AMPLIFIERS PA1-PA8 (8 x 300 WATT)	OFP	QSC CX-Q 4K8
IR	INFRARED DETECTORS COVER CABLE W/ LIGHT COLORED TUBING	OFP	EMTECH BLU-IR
D	MIC INPUT, DOUBLE	OFP	EMTECH MSC-D OR RCI EQUIVALENT
CP3	CULTURAL CENTER AV CONNECTION PANEL #3	OFP	EMTECH MSC-M OR RCI LDS002-MF-X (X=COLOR) EXTRON DTP R HWP 4K 331 D SEE DETAIL 3/TA501
CP4	CONNECTION PANEL #4	OFP	EMTECH MSC-D OR RCI EQUIVALENT EMTECH MSV-H OR RCI MI 9305 HDMI HIGHSPEED CABLE USE DETAIL 7/TA501
CP5	CONNECTION PANEL #5	OFP	USB-C INPUT ON DECORA INSERT WITH CUSTOM LABELING SEE DETAIL 10/TA501
CP6	CONNECTION PANEL #6	OFP	EMTECH MSV- H OR RCI MI9305 W/ HDMI HIGH SPEED CABLE SEE DETAIL 9/TA501
CP8	CONNECTION PANEL #7	OFP	EMTECH MSV-H OR RCI MI 9305 W/ HDMI HIGH SPEED CABLE SEE DETAIL 9/TA501

SYM	DESCRIPTION	QTY	ACCEPTABLE TYPES
HDP	HELP DESK PANEL, 1 RU	1	CUSTOM LABELING, SEE DETAIL 2/TA501
TS	STANDARD TERMINAL STRIP	OFP	
IT	ISOLATION TRANSFORMER	A/R	RDL TX-1A PRO CO LOT-1
TVSSE	SURGE SUPPRESSOR AND SWITCHER IP ENABLED W/ UL LISTED PLUG STRIP PROVIDE FOR EQUIPMENT RACK #1 AND #2	OFP	SURGEX SX-AX20E MIDDLE ATLANTIC RLNK P920R-SP W/ RLNK-CONT, RLNK-TEMP
	POWER STRIP, UL LISTED	A/R	6 OUTLET POWER STRIP OR EQUAL
	TVSS/ADSP RELAY INTERFACE	A/R	24 VDC RELAY, POWER SUPPLY AND BASE
TVSS	NON SEQUENCING SURGE SUPPRESSOR	OFP	MIDDLE ATLANTIC PD 915R-SP
CP10	CONNECTION PANEL #10	1	LOWELL D9P-ID-3 OR AS APPROVED CUSTOM XLR INPUT CUSTOM DUAL XLR OUTPUTS CUSTOM HDMI AND 3.5mm TRS CONNECTION *CUSTOM DEVICES MUST BE FABRICATED ON METAL DECORA INSERTS AS SHOWN ON 1/TA502
RSPK	RACK MONITOR SPEAKER, DECORA	1	RDL D-PSP1/PS-24AS
CP11	CONNECTION PANEL #11	OFP	LOWELL D9P-ID-3 OR AS APPROVED CUSTOM HDMI INPUT CUSTOM HDMI OUTPUTS CUSTOM USB-C INPUT *CUSTOM DEVICES MUST BE FABRICATED ON METAL DECORA INSERTS AS SHOWN ON 2/TA502
CP	RACK CONTROL PEDESTAL PLATE	OFP	QSC TSC-50-G3 INSTALL IN CUSTOM OPENING IN CP11 PLATE.
IR IR HUB	INFRARED RECEIVER W/ HUB, POWER SUPPLY, AND FLASHER	A/R	CABLES2GO C2G 40430 & C2G 40478 OR EQUAL
FB	CONNECTION PANEL "FB"	1	EMTECH MSV- H OR RCI 9305 OR CUSTOM PLATE THAT INTERFACES WITH INSTALLED FLOOR BOX HDMI HIGHSPEED CABLE

MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS
A/R = AS REQUIRED, OFP = OBTAIN FROM PLANS, OFCI = OWNER FURNISHED CONTRACTOR INSTALLED EQUIPMENT

GENERAL PROJECT NOTES

1. NO CHANGES SHALL BE MADE WITHOUT THE PROJECT ACOUSTICAL AND TECHNOLOGY CONSULTANT'S WRITTEN CONSENT.
2. REFER TO DRAWINGS FOR EXACT NUMBER OF COMPONENTS USED IF NOT SPECIFIED IN EQUIPMENT LIST.
3. SEE 'ET' SHEETS FOR DEVICE LOCATIONS AND COORDINATION.
4. SEE SHEETS TT601 AND TT602 FOR ADDITIONAL COORDINATION.
5. SECURE ALL LOUDSPEAKER ASSEMBLIES WITH SEISMIC RESTRAINTS. MOUNT ALL LOUDSPEAKER ASSEMBLIES IN SUSPENDED TILE CEILINGS ON TILE BRIDGES EVEN IF NOT SHOWN IN EQUIPMENT LIST.
6. MOUNT ALS ANTENNA VERTICALLY IN ATTIC IN LOCATION CHOSEN TO PROVIDE MAXIMUM COVERAGE OF CHAPEL AND CULTURAL CENTER.

GENERAL SHEET NOTES

1. CONNECT CHAPEL AND ROSTRUM SPEAKERS TOGETHER AT TERMINAL STRIP IN RACK. DISCONNECT CHAPEL SPEAKERS FOR FOLDING PARTITION TESTING.
2. UNLESS OTHERWISE NOTED, MODULES SHALL BE PURCHASED FROM MANUFACTURER LISTED, NOT CUSTOM MADE. COLOR OF INSERTS AND COVER PLATES TO MATCH ELECTRICAL DEVICES.
3. 'TVSSE' DEVICES CAN PROVIDE EMAIL NOTIFICATION WHEN POWER AND TEMPERATURE THRESHOLDS ARE EXCEEDED. SET EMAIL NOTIFICATIONS TO BE SENT TO FM PROVIDED EMAILS ADDRESS WHEN MANUFACTURE RECOMMENDED POWER AND TEMPERATURE LIMITS ARE EXCEEDED.
4. FURNISH SPEAKER ENCLOSURES AND TRIM RINGS TO DIVISION 26 INSTALLER FOR INSTALLATION.
5. REFER TO A SHEETS FOR COORDINATION OF ITEMS MOUNTED IN WOOD MILLWORK.

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Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions

Mark	Date	Description

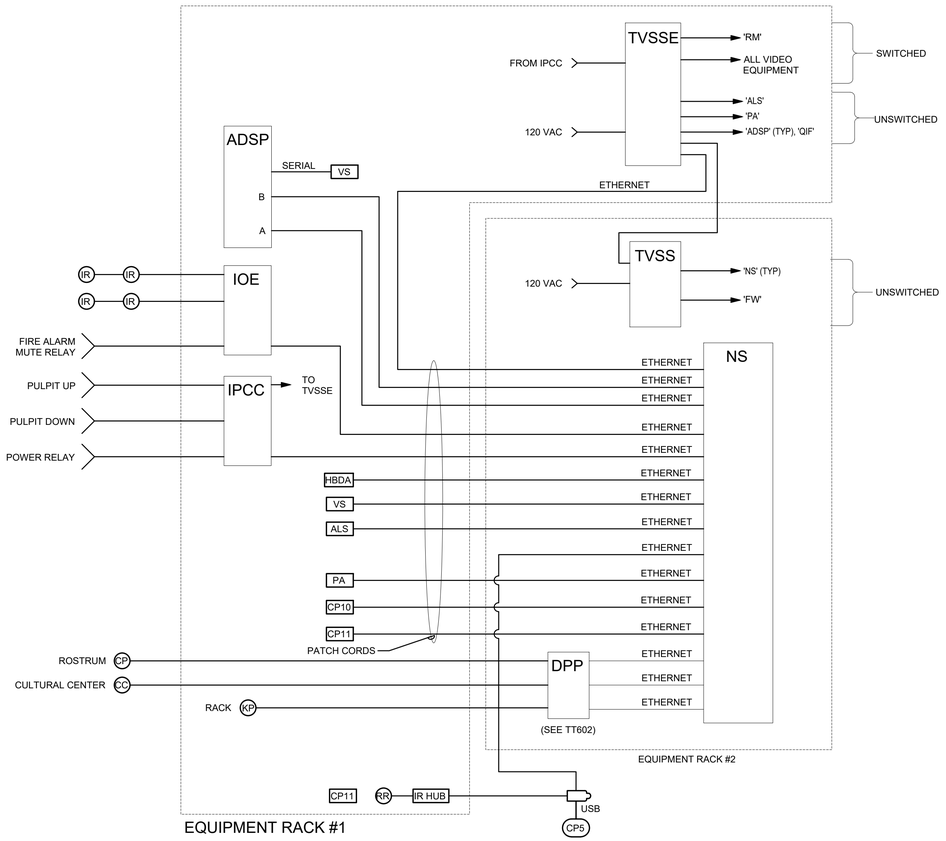
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Sheet Title
AV SYSTEM SCHEDULES AND NOTES

Sheet
TA601

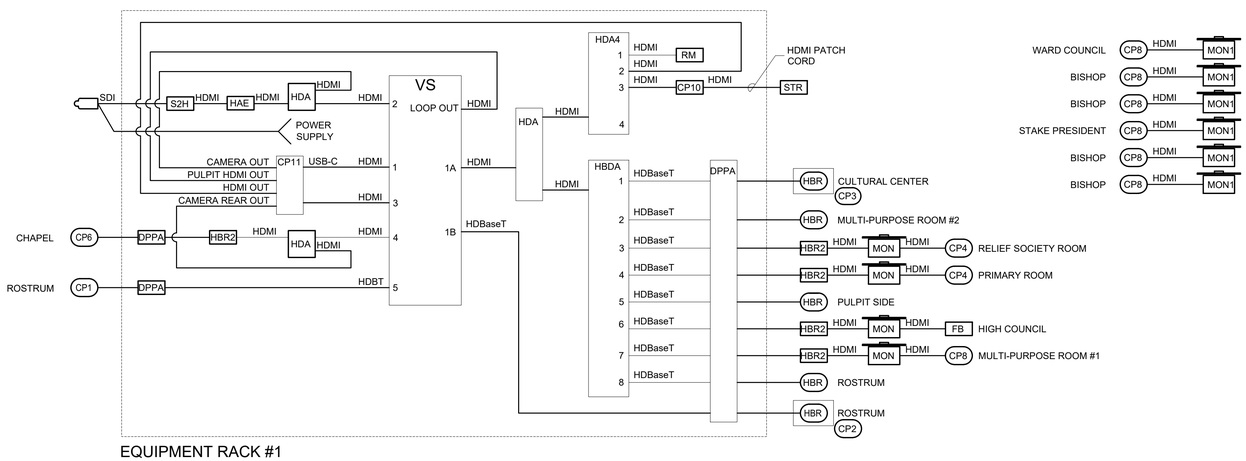
GENERAL SHEET NOTES

1. WHERE MULTIPLE DEVICES ARE SHOWN ON A SINGLE 'TVSSE' OUTLET, PROVIDE PLUG STRIPS AS REQUIRED.
2. QSC CONTROLLER MUST BE CONNECTED TO POE PORTS.
3. HDBASE T AND QSC DEVICES ARE IP COMMUNICATIONS PROTOCOL DEVICES. TWISTED PAIR CABLES MUST MEET STANDARDS DEFINED IN THE HORIZONTAL COMMUNICATIONS SPECIFICATIONS.
4. N/C INDICATES NO CONNECTION.
5. ADSP AND CONTROL/LOGIC WIRING IS GENERIC. SEE MANUFACTURER'S INSTRUCTION SHEET FOR WIRING DETAILS.
6. USE DHCP FOR IP ADDRESS ASSIGNMENTS.
7. CONFIGURE NETWORK SWITCH FOR PROPER NETWORK ZONES. NETWORK PORTS CONNECTED TO CONVENIENCE OUTLETS AND QSC DEVICE B PORTS SHALL BE CONFIGURED FOR PUBLIC ACCESS. ALL OTHER A/V AND FACILITIES DEVICES SHALL BE CONNECTED TO PORTS CONFIGURED FOR FACILITIES ZONE ACCESS.
8. CONFIGURE RLNK TO PROVIDE 2 LEVELS OF POWER RESET. LEVEL 1 SHALL TURN OFF ALL "SWITCHED DEVICES". LEVEL 2 SHALL BE TRIGGERED AT 3AM, AND INCLUDE AMPLIFIER. IN ADDITION TO LEVEL 1 DEVICES. USE IP TRIGGERS.
9. CONFIGURE 'ADSP' TO PROVIDE SERIAL CONTROL OF 'VS' INCLUDING INPUT SELECTION, AND VIDEO MUTE. WHEN VIDEO IS MUTED "LOGO" SCREEN SHALL BE DISPLAYED. UPLOAD STANDARD "MEETING IN PROGRESS" IMAGE FILE TO 'VS'.



2 CONTROL/LOGIC RISER DIAGRAM

NO SCALE



1 VIDEO SYSTEM RISER DIAGRAM

NO SCALE

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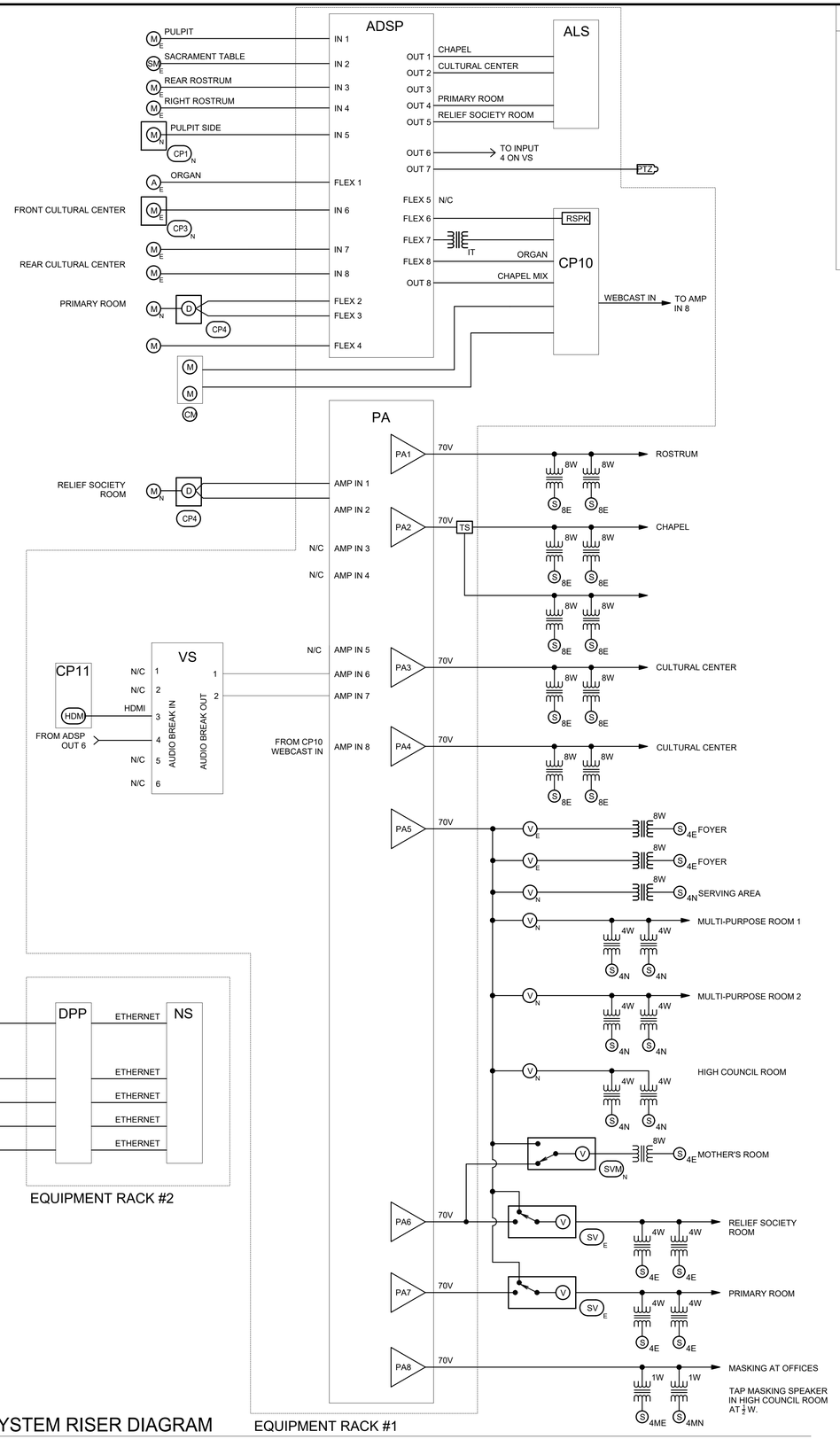
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Sheet Title
AV SYSTEM DIAGRAMS

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Sheet
TA602



1 AUDIO SYSTEM RISER DIAGRAM
NO SCALE

GENERAL SHEET NOTES

1. WHERE MULTIPLE DEVICES ARE SHOWN ON A SINGLE 'TVSS' OUTLET, PROVIDE PLUG STRIPS AS REQUIRED.
2. QSC CONTROLLER MUST BE CONNECTED TO POE PORTS.
3. HDBASE T AND QSC DEVICES ARE IP COMMUNICATIONS PROTOCOL DEVICES. TWISTED PAIR CABLES MUST MEET STANDARDS DEFINED IN THE HORIZONTAL COMMUNICATIONS SPECIFICATIONS.
4. N/C INDICATES NO CONNECTION.
5. ADSP AND CONTROL/LOGIC WIRING IS GENERIC. SEE MANUFACTURER'S INSTRUCTION SHEET FOR WIRING DETAILS.
6. USE DHCP FOR IP ADDRESS ASSIGNMENTS.
7. PROVIDE A STATIC IP ADDRESS FOR THE ALS SYSTEM. VERIFY ADDRESS WITH OWNER.

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TA603

VOICE-DATA SYSTEM EQUIPMENT/CABLE LIST

THE FOLLOWING IS A PARTIAL LIST OF MATERIALS FOR THE DATA/PHONE SYSTEM. REFER TO SPECIFICATION 27 1501 FOR FULL REQUIREMENTS. VERIFY ALL PART NUMBERS WITH MANUFACTURER'S CATALOG NUMBERS AND NOTIFY CONSULTANT OF DISCREPANCIES PRIOR TO BIDDING. FURNISH MISCELLANEOUS HARDWARE NOT LISTED TO PROVIDE A COMPLETE SYSTEM.

SYM	DESCRIPTION	ACCEPTABLE TYPES
TELCO DEMARC	TELECOMMUNICATIONS PROVIDER DEMARCATION POINT	FURNISHED AND INSTALLED BY PROVIDER
ISP DEMARC	INTERNET SERVICE PROVIDER DEMARCATION POINT	FURNISHED AND INSTALLED BY PROVIDER
DPP	PATCH PANEL, DATA, 48-PORT W/ CAT 6 INSERT, BLUE (QUANTITIES OF PORTS AS REQUIRED +25%)	SEE SPECIFICATION 271501
TVSS	SURGE SUPPRESSOR AND SWITCHER W/ UL LISTED PLUG STRIP	FURNISHED AND INSTALLED BY AV INSTALLER
	UL LISTED POWER STRIP	6 OUTLET POWER STRIP OR EQUAL
D(#)	STATION CABLE, DATA-CAT 6, DATA, BLUE JACKET (#) INDICATES NUMBER OF CABLES IF MORE THAN ONE	SEE SPECIFICATION 271501
WAP	DATA OUTLET, WIRELESS ACCESS POINT SINGLE GANG BEZEL	SEE SPECIFICATION 271501 SEE DETAIL 2/TT602
	BEZEL INSERTS	SEE SPECIFICATION 271501
	CAT 6 JACK-DATA (1)	SEE SPECIFICATION 271501
▼	VOICE OUTLET SINGLE GANG BEZEL	SEE SPECIFICATION 271501
	BEZEL INSERTS	SEE SPECIFICATION 271501
	CAT 6 JACK-DATA (1)	SEE SPECIFICATION 271501
▽ ▽2	DATA OUTLET SINGLE GANG BEZEL	SEE SPECIFICATION 271501
	BEZEL INSERTS	SEE SPECIFICATION 271501
	CAT 6 JACK-DATA (1 OR 2)	SEE SPECIFICATION 271501
FB	DATA OUTLET BEZEL COMPATIBLE WITH FLOOR BOX, SEE DETAIL 1/ET601	SEE SPECIFICATION 271501
	BEZEL INSERTS	SEE SPECIFICATION 271501
	CAT 6 JACK-DATA (1)	SEE SPECIFICATION 271501
	COPPER CAT 6 PATCH CABLES (INCLUDE CABLES LONG ENOUGH TO CONNECT TO EQUIPMENT IN EQUIPMENT CABINET RACK #1 AS NEEDED)	SEE SPECIFICATION 271501
	CAT 6 J-HOOKS	CADDY CAT32Z34
HWM	HORIZONTAL WIRE MANAGER HORIZONTAL WIRE MANAGER SHALL NOT HAVE A DEPTH OF MORE THAN 3"	SEE SPECIFICATION 271501
NS	NETWORK SWITCH, OWNER STANDARD	OWNER FURNISHED-CONTRACTOR INSTALLED
	RACK MOUNT SHELF	MIDDLE ATLANTIC U2
BMG	BUILDING MANAGEMENT GATEWAY	FURNISHED AND INSTALLED BY MECHANICAL CONTROLS CONTRACTOR
FW	INTERNET FIREWALL, OWNER STANDARD,	OWNER FURNISHED-CONTRACTOR INSTALLED
	RACK MOUNT SHELF	MIDDLE ATLANTIC U2
ISP MODEM	INTERNET SERVICE MODEM	OWNER FURNISHED-CONTRACTOR INSTALLED
	WALL MOUNT SHELF	MIDDLE ATLANTIC WMS-20
WAP	WIRELESS ACCESS POINT. OWNER STANDARD.	OWNER FURNISHED-CONTRACTOR INSTALLED. INSTALL AT EACH 'WAP' LOCATION SHOWN ON ET102. SEE DETAIL 2/TT602
2	DATA RACK, SWING FRAME	MIDDLE ATLANTIC SFR-20-18 SEE DETAILS 2/ET602 AND 4/TT602
CO CP ST CP1	AUDIO VIDEO USER INTERFACE	INTERFACE BY AV INSTALLER; DATA CONNECTION BY 27 1501 SEE TA601, TA602, TA603
	CAT6 DATA JACK	SEE SPECIFICATION 27 1501
NHP	NETWORK HELP DESK PANEL	1RU RACK PANEL WITH CUSTOM LABELING SEE DETAIL 3/TT602

NOTE: ALL PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR

AUDIO-VIDEO CABLE EQUIPMENT LIST

SYM	DESCRIPTION	QTY	ACCEPTABLE TYPES
A(X)	HDMI CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN HD 800-XX LIBERTY HD 1000-XX OR AS APPROVED BY CONSULTANT ('XX' LENGTH REQUIRED)
C(X)	CONTROL CABLE, WHITE JACKET (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN 1872A WEST PENN 4246 LIBERTY 24-4P-L6-EN OR AS APPROVED BY CONSULTANT
H(X)	HDBASE T CABLE, BLACK JACKET, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	WEST PENN 4246AF COMMSCOPE 1291B F/UTP BELDEN 10GX62F OR AS APPROVED BY CONSULTANT
L(X)	LINE LEVEL CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN 9451 WEST PENN 454 LIBERTY 22-1P-EZ OR AS APPROVED BY CONSULTANT
LC	LINE LEVEL CABLE FOR PULPIT LIFT MOTOR 3 CONDUCTOR, 20 AWG	A/R	BELDEN 8772 WEST PENN 232 OR AS APPROVED BY CONSULTANT
M(X)	MICROPHONE CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	LIBERTY 22-1P-EZ BELDEN 9451 WEST PENN 454 OR AS APPROVED BY CONSULTANT
P(X)	HD-SDI CABLE, RG-6, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	WEST PENN 6350 BELDEN 1694A OR AS APPROVED BY CONSULTANT
S(X)	SPEAKER CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN 8471 WEST PENN 225 LIBERTY 16-2C-GRY OR AS APPROVED BY CONSULTANT
UC(X)	USB-C CABLE, TERMINATED AT EACH END, USB 3 COMPLIANT	A/R	BULLET TRAIN AC-BTSSF-USB3-A2C-XX OR APPROVED EQUIVALENT (XX=LENGTH REQUIRED)
RF(X)	RG6, COAX, FOR DEMARC EXTENSION	A/R	BELDEN 7916AP WEST PENN Q841

MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS
A/R = AS REQUIRED

GENERAL PROJECT NOTES

1. LABEL ALL CABLE REGARDLESS OF LENGTH.
2. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL CABLING AND EQUIPMENT TO THE CONSULTANT APPROVAL.
3. COIL 5' OF EXTRA CABLE AT THE TECHNOLOGY ROOM AND 18"' AT THE OUTLET FOR EACH CABLE RUN.
4. USE CADDY CLIPS OR BRIDLE RINGS FOR ALL CABLE OUTSIDE OF CONDUIT. GENERAL PROJECT NOTES ET601.
5. ALL CABLE AND UTP TO TERMINATE ON BOTH ENDS.
6. ALL VOICE-DATA OUTLETS ON WALLS SHALL BE MOUNTED WITHIN 6" OF A POWER OUTLET. IF CONTRADICTIONS ARISE ON PLANS, NOTIFY ENGINEER.
7. REFER TO SHEET ET101 AND ET102 FOR VOICE-DATA JACK LOCATIONS AND ROUTING OF AV CABLE.
8. EQUIPMENT RACK TO BE INSTALLED BY AV INSTALLER.
9. ALL VOICE-DATA CABLING AND EQUIPMENT SHALL BE INSTALLED ACCORDING TO DIVISION 27 1501.
10. INSTALL OWNER FURNISHED NETWORK EQUIPMENT SHOWN. AS PART OF INSTALLATION SET UP AND CONFIGURE DEVICES IN ACCORDANCE WITH OWNER REQUIREMENTS. COORDINATE WITH LOCAL FACILITIES MANAGER.
11. COORDINATE WITH FACILITIES MANAGER AND PROJECT MANAGER WELL IN ADVANCE OF PROJECT COMPLETION TO ENSURE INSTALLATION OF ALL OWNER FURNISHED EQUIPMENT IS INSTALLED AND SET UP PROPERLY. IN ADDITION, ENSURE OWNER PROVIDES INTERNET SERVICE TO BUILDING PRIOR TO FINAL INSTALLATION OF AV AND VOICE DATA EQUIPMENT.
12. INSTALL A DATA PATCH CABLE TO NS FOR ALL DATA LOCATIONS SHOWN ON PLANS.
13. FURNISH AND INSTALL ALL AUDIO-VIDEO CABLE SHOWN. PROVIDE 3' EXTRA CABLE AT OUTLET END AND 15' EXTRA CABLE AT EQUIPMENT RACK. COIL AND LABEL.
14. INSTALL PATCH IN AND SET-UP OWNER FURNISHED WIRELESS ACCESS POINTS.
15. SEE "TA" AND "ET" SHEETS FOR DEVICE LOCATIONS AND ADDITIONAL COORDINATION.
16. ALL HORIZONTAL CABLING AND TERMINATIONS SHALL BE FROM SINGLE MANUFACTURER, AS NECESSARY SUCH THAT INSTALLER MAY PROVIDE EXTENDED SYSTEM WARRANTY OF 25 YEARS OR MORE.
17. CABLE RUNS ORIGINATING FROM OUTSIDE THE RACK SHALL BE TERMINATED TO DPP, WITH PATCH CABLE TO NETWORK SWITCH. DEVICES IN THE SAME RACK AS THE NETWORK SWITCH MAY BE CONNECTED DIRECTLY TO THE SWITCH.

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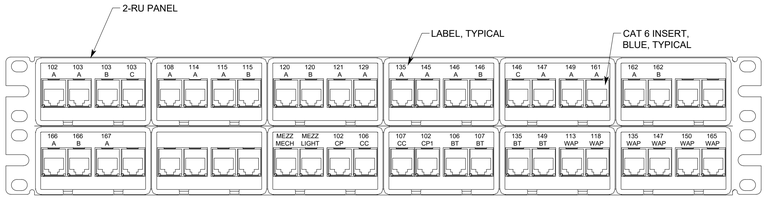
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Sheet Title
TELECOM SCHEDULES, NOTES, AND DIAGRAMS

Sheet
TT601



2-RU PANEL = 2 RACK UNIT (3.50")

NOTE:

NUMBER SHOWN MATCHES DESIGN ROOM NUMBERS. FINAL LABELING FOR PATCH PANEL AND OUTLETS SHALL MATCH SIGNAGE POSTED FOR ROOMS.

8 PATCH PANEL DETAIL, 48-PORT, TYPICAL

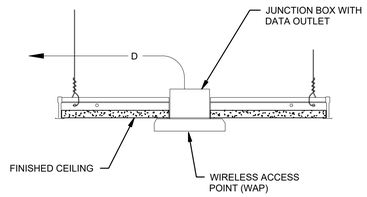
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3 HELP DESK PANEL

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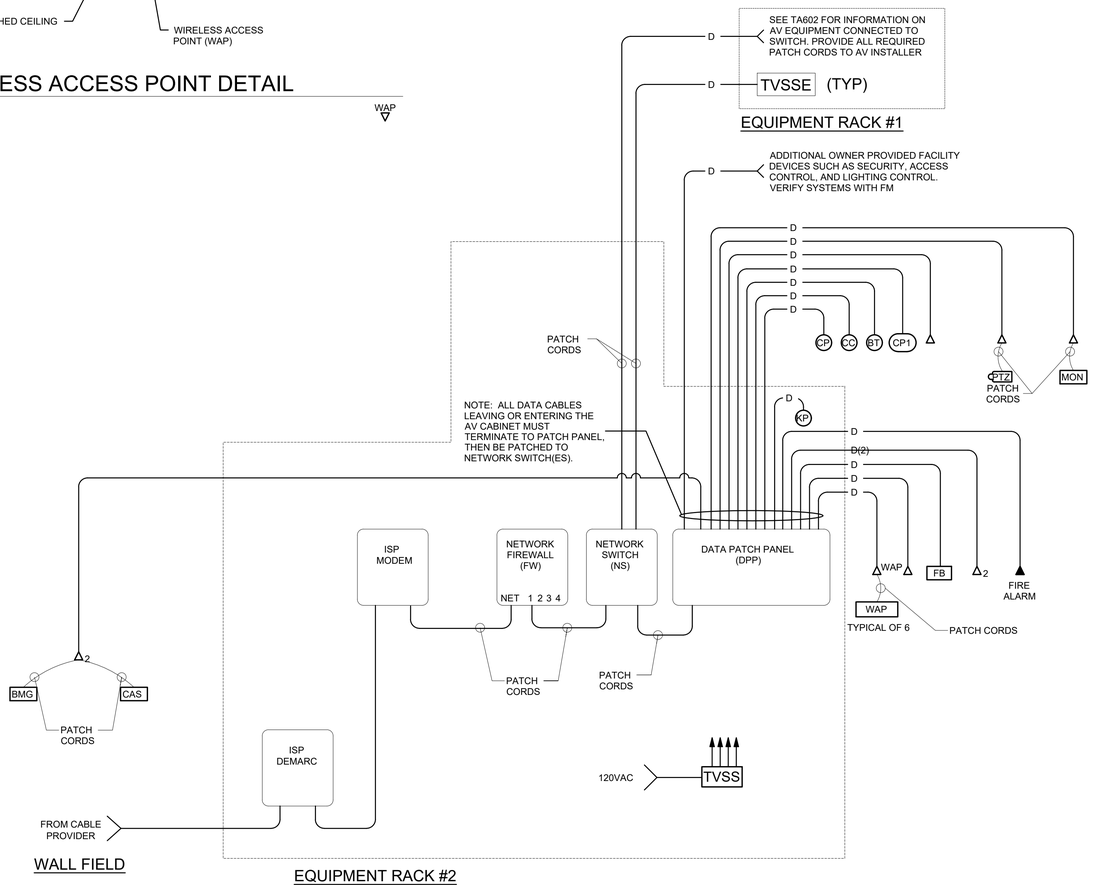
NHP



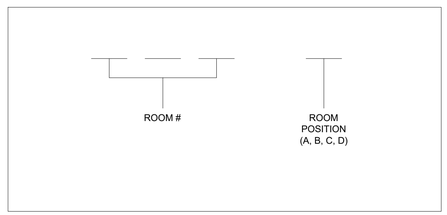
2 WIRELESS ACCESS POINT DETAIL

NO SCALE

WAP

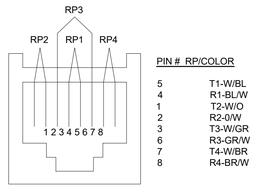


1 STRUCTURED CABLING RISER DIAGRAM



7 CABLE LABEL DETAIL

NO SCALE

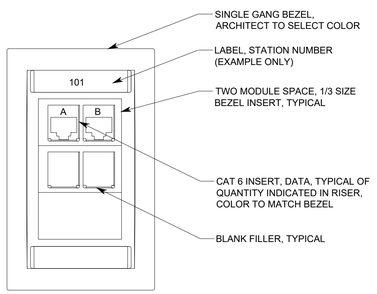


PIN # RP/COLOR

5	T1-W/BL
4	R1-BL/W
1	T2-W/O
2	R2-0/W
3	T3-W/GR
6	R3-GR/W
7	T4-W/BR
8	R4-BR/W

5 OUTLET PINNING DETAIL

NO SCALE



6 TYP DATA OUTLET

NO SCALE

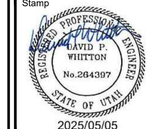
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Stamp



2025/05/05

Syracuse Lake View YSA Stake Suite
Syracuse UT Lake View YSA Stake

3301 West 6000 South
Roy, Utah

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Revisions		
Mark	Date	Description

Project Number
25-12
Plan Series
Stake Suite Addition
Property Number
548-6467-24020101
Date
May 5, 2025

Sheet Title
TELECOM NOTES AND DIAGRAMS

Sheet
TT602