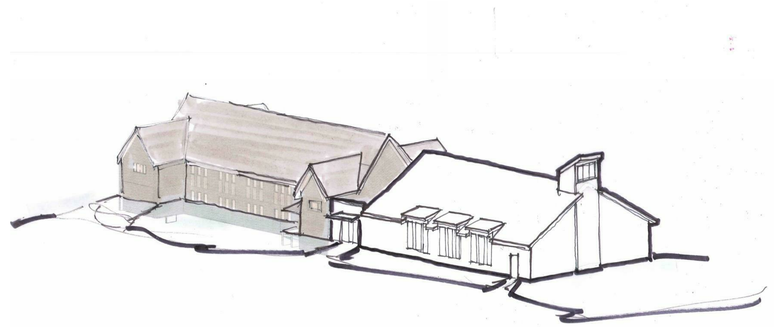
PROJECT MATERIAL ID LIST	
MATERIAL ID	SPEC. SECTION & DESCRIPTION
06 11 00.D1	
AIR BAR-1	07 2500 - AIR BARRIER; MECHANICALLY FASTENED
AIR BAR-3	07 2500 - AIR BARRIER; SELF-ADHERING OR LIQUID APPLIED
ALUM STOR-1	08 4313 - ALUMINUM FRAMED STOREFRONT
CAST UNDLMNT-1	03 5400 - GYPSUM BASED UNDERLAYMENT
CER TILE-10	09 3000 - CERAMIC WALL TILE
CMU-1	04 2000 - NORMAL WEIGHT CMU
COMP PNL-10	07 4243 - CEMENT COMPOSITE WALL PANELS
DEIFS -1	
EPDM-2	07 5300 - FULLY ADHERED EPDM ROOFING SYSTEM
FIRE CAB-1	10 4400 - FIRE EXTINGUISHER CABINET
FR STOP	07 8400 - THROUGH PENETRATION FIRESTOPPING
GL-1	08 8000 - CLEAR ANNEALED GLASS, 1/4" THICK
GRAB BAR-18	10 2800 - STAINLESS STEEL GRAB BAR, 18"
GRAB BAR-36	10 2800 - STAINLESS STEEL GRAB BAR, 36"
GRAB BAR-42	10 2800 - STAINLESS STEEL GRAB BAR, 42"
GYP BD-1	09 2116 - 5/8" FIRE-RATED TYPE 'X' GYPSUM BOARD
GYP BD-4	09 2116 - 1/2" FIRE-RATED TYPE 'C' GYPSUM BOARD
GYP BD-20	09 2116 - 1" FIRE-RATED TYPE 'X' GYPSUM SHAFT LINER
INSUL GL-1	08 8000 - 1" CLEAR INSULATED GLASS
INSUL GL-20	08 8000 - 1" TINTED INSULATED GLASS
INSUL TEMP GL-1	08 8000 - I" CLEAR INSULATED TEMPERED GLASS
INSUL-1	07 2100 - PERIMETER BELOW GRADE EXTRUDED POLYSTYRENE INSULATION
INSUL-2	07 2100 - EXTRUDED POLYSTYRENE WALL INSULATION
INSUL-20	07 2100 - FIBERGLASS BATT INSULATION, UNFACED
INSUL-36	07 2119 - CLOSED CELL SPRAY FOAM INSULATION
INSUL-80	09 2116 - ACOUSTICAL BATT INSULATION
MET FURG-4	09 2116 - RESILIENT FURRING CHANNELS
MET STUD-2	09 2116 - NON-LOAD BEARING STEEL STUDS, 20 GA.
MET STUD-5	09 2116 - C-H SHAFTWALL STUDS
MIRROR-50	10 2800 - FRAMELESS MIRROR
PLAM CTOP-1	12 3600 - PLASTIC LAMINATE COUNTERTOP
SEALANT-1	07 9005 - JOINT SEALANT OR CAULKING
SEALANT-2	07 9005 - JOINT SEALANT OR CAULKING WITH BACKER ROD
SIDING-15	07 4646 - FIBER CEMENT PANEL
SIDING-20	07 4646 - FIBER CEMENT BOARD TRIM
SOLID SURF-20	12 3600 - 1/2" SOLID SURFACING
TEMP GL-1	08 8000 - CLEAR TEMPERED GLASS, 1/4" THICK
TOILET COMP-40	10 2113.19 - SOLID PLASTIC TOILET COMPARTMENTS
TP DISP-2	10 2800 - TOILET PAPER DISPENSER, DOUBLE ROLL, SURFACE MOUNT
VNYL WDW-1	
VPR RET-1	07 2500 - 6 MIL POLY VAPOR RETARDER SHEET
VPR RET-10	07 2500 - VAPOR RETARDER; SELF-ADHERED OR LIQUID APPLIED
WD BLKG	06 1000 - EXPOSED OR CONCEALED WOOD BLOCKING
WD SHTG-1	06 1000 - FLOOR SHEATHING, 3/4" STURD-I-FLOOR, EXPOSURE 1, T&G
WD SHTG-20	06 1000 - 15/32" PLYWOOD WALL SHEATHING



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PRELIMINARY
NOT FOR CONSTRUCTION

No.	Description	Date

ALTERNATE LIST

ALTERNATE #1: 14'-0" HIGH WALLS AT ASSEMBLY SPACE. MAY BE COMBINED WITH EITHER THE BASE TRUSS OPTION OR THE ADD ALTERNATE TRUSS OPTION. SEE STRUCTURAL FOR STRUCTURAL CHANGES

ALTERNATE #2: INSTALL SCISSOR TRUSS IN LIEU OF BASE TRUSS OPTION WITH BEAM AND COLUMNS. THIS ALTERNATE MAYBE CHOSEN INDEPENDENT OF ALTERNATE #1. SEE STRUCTURAL FOR STRUCTURAL CHANGES

ALTERNATE #3: ADD ASSEMBLY SPACE NORTH WALL/ROOF CUPOLA. SEE ARCHITECTURAL AND STRUCTURAL FOR DIMESIONS AND DETAILS.

ALTERNATE #4: ADD EAST & WEST ASSEMBLY WALL DORMERS. SEE ARCHITECTURAL AND STRUCTURAL FOR DIMENSIONS AND DETAILS.

ALTERNATE #5: WATER SERVICE: MODIFY WATER SERVICE TO CONNECT AT SOUTH SIDE OF SITE AT 50TH AVE

ALTERNATE #6: ASPHALT SHINGLE ROOF IN LIEU OF STANDING SEAM METAL ROOF AT ASSEMBLY SPACE

ALTERNATE #7: REMOVE NORTH WALL WINDOWS (DEDUCT)

ALTERNATE #8: BASE BID PROVIDE ACOUSTICAL CEILING GRID. ALTERNATE: PROVIDE AND INSTALL 2X2 ACOUSTICAL CEILING TILE AT NEW STUDY SPACES. SEE REFLECTED CEILING PLAN FOR EXTENTS.

ALTERNATE #9: BASE BID PAINTED METAL TOILET PARTITIONS. ALTERNATE: PHENOLIC PARTITIONS

NORTHWEST CHURCH OF CHRIST NEW ADDITION & RENOVATION DESIGN DEVELOPMENT

LIST OF ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	CWT	CERAMIC WALL TILE	HB	HOSE BIB	RAD	RADIUS
AC	ALTERNATING CURRENT	DEMO	DEMOLITION	HCP	HANDICAP	REINF	REINFORCEMENT
ACI	AMERICAN CONCRETE INSTITUTE	DEPT	DEPARTMENT	HDW	HARDWARE	REQ'D	REQUIRED
ACM	ASBESTOS CONTAINING MATERIAL	DF	DRINKING FOUNTAIN	HDWD	HARDWOOD	REV	REVERSE
ACT	ACOUSTICAL CEILING TILE	DIA	DIAMETER	HM	HOLLOW METAL	RM	ROOM
ADA	AMERICANS W/DISABILITIES ACT	DIAG	DIAGONAL	HORZ	HORIZONTAL	RO	ROUGH OPENING
AFF	ABOVE FINISH FLOOR	DIM	DIMENSION	HT	HEIGHT	RTU	ROOF TOP UNIT
AHU	AIR HANDLING UNIT	DIST	DISTANCE	IBC	INTERNATIONAL BUILDING CODE	SD	SMOKE DETECTOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DOC	DOCUMENT	INSUL	INSULATION	SECT	SECTION
ALT	ALTERNATE	DR	DOOR	JAN	JANITOR	SHT	SHEET
ALUM	ALUMINUM	DTL	DETAIL	LAM	LAMINATE	SIM	SIMILAR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DW	DISHWASHER	LAV	LAVATORY	SPD	SOAP DISPENSER
ARCH	ARCHITECT	DWG	DRAWING	MAS	MASONRY	SPEC	SPECIFICATIONS
ASI	ARCHITECTURAL SUPPLEMENTAL INSTRUCTION	EA	EACH	MB	MARKERBOARD	SQ	SQUARE
AWI	AMERICAN WOODWORKING INSTITUTE	EIFS	EXTERIOR INSULATION FINISH SYSTEM	MDF	MEDIUM DENSITY FIBERBOARD	SUSP	SUSPEND
BD	BOARD	EJ	EXPANSION JOINT	MECH	MECHANICAL	TC	THIN COAT
BLDG	BUILDING	ELEC	ELECTRIC	MH	MANHOLE	TEMP	TEMPORARY/TEMPERATURE
BM	BEAM	ELEV	ELEVATOR/ELEVATION	ML	MATCHLINE	TO	TOP OF
BOT	BOTTOM	EP	EPOXY PAINT	MTL	METAL	TP	TOILET PARTITIONS
BRG	BEARING	EQ	EQUAL	MTL	METAL STUD	TPD	TOILET PAPER DISPENSER
BTU	BRITISH THERMAL UNITS	EQUIP	EQUIPMENT	STD		TRTD	TREATED
BUR	BUILT UP ROOFING	EWC	ELECTRIC WATER COOLER	NC	NON COMBUSTIBLE	TS	TRANSITION STRIP
CAB	CABINET	EXIST	EXISTING	NIC	NOT IN CONTRACT	TYP	TYPICAL
CB	CATCH BASIN	FD	FLOOR DRAIN	NOM	NOMINAL	UL	UNDERWRITERS LABORATORIES
CG	CORNER GUARD	FEC	FIRE EXTINGUISHER CABINET	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
CI	CAST IRON	FF	FINISH FLOOR	OC	ON CENTER	VCT	VINYL COMPOSITION TILE
CIP	CAST IN PLACE	FFE	FURNITURE, FIXTURE, AND EQUIPMENT	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	W/	WITH
CJ	CONTROL JOINT	FHC	FIRE HOSE CABINET	OFOI	OWNER FURNISHED OWNER INSTALLED	WD	WOOD
CLG	CEILING	FIN	FINISH	OH	OVERHEAD	WDW	WINDOW
CLR	CLEAR	FLR	FLOOR	OSB	ORIENTED STRAND BOARD		
CMU	COMMON MASONRY UNIT	FND	FOUNDATION	PB	PARTICLE BOARD		
CO	CLEAN OUT	FTG	FOOTING	PC	PRECAST		
CONC	CONCRETE	FWC	FABRIC WALL COVERING	PLAM	PLASTIC LAMINATE		
CPT	CARPET	GALV	GALVANIZED	PLAST	PLASTER		
CSMT	CASEMENT	GC	GENERAL CONTRACTOR	PLYWD	PLYWOOD		
CSWK	CASEWORK	GEN	GENERAL	PREV	PREVIOUS		
CT	CERAMIC TILE	GL	GLASS OR GLAZING	PT	PAINT		
CUH	CABINET UNIT HEATER	GWB	GYPSUM WALL BOARD	PTD	PAPER TOWEL DISPENSER		

INDEX OF DRAWINGS

SHEET NUMBER	SHEET NAME
GENERAL	
G100	TITLE SHEET
G101	TYP ASSEMBLIES & MATERIAL ID LIST
G110	LIFE SAFETY PLAN
G120	MOUNTING HEIGHTS
STRUCTURAL	
S100	TITLE SHEET
S201	FOUNDATION, ROOF AND PARTIAL FRAMING PLANS
S301	SECTIONS AND DETAILS
S310	SECTIONS AND DETAILS
S401	SCHEDULES
ARCHITECTURE	
A101	LOWER & MAIN LEVEL DEMO PLAN
A102	UPPER LEVEL DEMOLITION PLAN & ELEVATION
A201	LOWER LEVEL FLOOR PLAN
A202	MAIN LEVEL FLOOR PLAN
A203	UPPER LEVEL FLOOR PLAN
A204	ROOF PLAN
A210	ENLARGED PLANS
A220	DOOR SCHEDULE
A250	DETAILS
A301	EXTERIOR ELEVATIONS
A320	GLAZING ELEVATIONS
A401	BUILDING SECTION
A402	BUILDING SECTION
A420	VERTICAL CIRCULATION
A421	VERTICAL CIRCULATION
A501	WALL SECTIONS
A502	WALL SECTIONS
A513	ROOF DETAILS
A610	INTERIOR ELEVATIONS
A611	INTERIOR ELEVATIONS
A620	CASEWORK SCHEDULE
A650	FINISH SCHEDULE
A701	REFLECTED CEILING PLANS
A800	ALTERNATES

PROJECT GENERAL NOTES

A. FIRST LEVEL ELEVATION OF 100'-0" NOTED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION OF 000.00' NOTED ON CIVIL DRAWINGS.
B. THE OWNER'S NORMAL OPERATIONS WILL BE CONTINUED DURING CONSTRUCTION. THE CONSTRUCTION SHALL NOT INTERFERE WITH THESE OPERATIONS IN ANY WAY WITHOUT THE OWNER'S EXPRESSED CONSENT.
C. IT SHALL BE EACH TRADE CONTRACTORS RESPONSIBILITY TO VISIT THE SITE AND FAMILIARIZE HIMSELF/HERSELF WITH ALL EXISTING CONDITIONS. EACH CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY ALL DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE DRAWINGS. SHOULD ANY ERROR OR INCONSISTANCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED THEREBY UNTIL REPORTING THE SAME TO THE ARCHITECT AND THE OWNERS REPRESENTATIVE FOR CLARIFICATION AND/OR CORRECTION.
D. DIMENSIONS FOLLOWED BY +/- SHALL BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
E. ALL EXISTING CONSTRUCTION AND SURFACES WHICH ARE TO REMAIN BUT ARE AFFECTED BY THE WORK UNDER THIS CONTRACT SHALL BE RESTORED AND REFINISHED TO MATCH TEH CONSTRUCTION, FINISH AND ALIGNMENT OF THE EXISTING ADJACENT CONSTRUCTION AND FINISHES.
F. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR COMPLETION OF WORK.
G. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH APPROPRIATE TRADES. COORDINATE SIZE & LOCATION OF ALL HOUSE-KEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
H. PROVIDE POSITIVE SLOPE TO ALL FLOOR DRAINS WHILE KEEPING FLOOR LEVEL AT WALL BASE CONDITION. PROVIDE FIRE WATCH DURING FIELD CUTTING AND WELDING OPERATIONS, MEETING OWNERS REQUIREMENTS.
I. PROVIDE FIRE RETARDANT WOOD BLOCKING AND/OR 18 GA MEETAL PLATES BETWEEN STUDS AT ALL LOCATIONS REQUIRING BLOCKING IN WALL. THESE LOCATIONS INCLUDE BUT ARE NOT LIMITED TO GRAB BARS, CRASH RAILS, CABINETS, WALL HUNG SHELVES, ARTWORK, ETC.
J. DO NOT SCALE DRAWINGS.
K. THE EXTENT OF HATCHING ON DRAWINGS IS ONLY SUFFICIENT TO INDICATE THE NATURE OF THE CONSTRUCTION OR MATERIALS. TERMINATION OF THE HATCHING SHALL NOT BE CONSTRUED TO REPRESENT A CHANGE OR TERMINATION OF MATERIAL.
L. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES IN WORK AREAS PRIOR TO PROCEEDING WITH CONSTRUCTION. ALL DISCREPANCIES SHALL BE DOCUMENTED AND FORWARDED TO ARCHITECT AND OWNERS REPRESENTATIVE FOR ACTION.
M. IT IS THE CONTRACTORS RESPONSIBILITY TO INVESTIGATE FIELD CONDITIONS AND PROVIDE AS NEEDED TEMPORARY SUPPORTS, SHORING AND/OR PROTECTION OF EXISTING STRUCTURES AND UNDERGROUND UTILITIES DURING EXECUTION OF WORK.
N. ALL WORK TO CONFORM TO THE REQUIREMENTS OF THE LOCAL AND STATE CODES.
O. RELEVANT DIMENSIONS AND ELEVATIONS FOR EQUIPMENT INSTALLATIONS SHALL BE VERIFIED AGAINST MANUFACTURERS CERTIFIED EQUIPMENT DRAWINGS.
P. CONTRACTOR SHALL PROVIDE TEMPORARY DUST PROOF PARTITIONS AS REQUIRED, OR WHERE REQUESTED BY OWNERS' REPRESENTATIVE. PARTITIONS SHALL BE FIRE RATED WHERE REQUIRED BY CODE HAVING JURISDICTION. ALL TEMPORARY PARTITIONS SHALL BE CONSTRUCTED IN A MANNER AND OF MATERIALS OFFERING ADEQUATE PROTECTION TO OWNER'S EQUIPMENT AND PERSONNEL.
Q. DO NOT SCALE DRAWINGS TO DETERMINE SIZES AND DIMENSIONS. USE FIGURED DIMENSIONS ONLY. DIMENSIONS ARE TO FINISHED FACE OF WALLS UNLESS OTHERWISE NOTED. ALL PERIMETER DIMENSIONS ARE FROM FACE OF PERIMETER WALLS.
R. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
S. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.

MATERIALS LEGEND

CONCRETE OR STONE
METAL
RIGID INSULATION
CONCRETE MASONRY UNIT
FACE BRICK
PLYWOOD
GYPSUM WALL BOARD
BATT INSULATION
ROUGH WOOD
FINISH WOOD
PARTIAL BLOCKING

SYMBOLS LEGEND

ROOM IDENTIFICATION TAG

ROOM NAME / 101 — ROOM NAME; ROOM NUMBER

OPENING IDENTIFICATION TAGS

DOOR NUMBER
WINDOW IDENTIFICATION
CURTAINWALL / STOREFRONT IDENTIFICATION

COLUMN / GRID IDENTIFICATION

NEW COLUMN / STRUCTURAL GRID
EXISTING COLUMN / STRUCTURAL GRID

NAME / ELEVATION — ELEVATION DATUM

NORTH ARROW

PROJECT NORTH
TRUE NORTH

ASSEMBLY IDENTIFICATION

A4.25 — INTERIOR WALL TAG
X1A — EXTERIOR WALLS, FLOORS & ROOFS - SEE SHEET G001 FOR ASSEMBLY DESCRIPTIONS

MATERIAL/OBJECT IDENTIFICATION

<MAT'L ID> — MATERIAL ID TAG

REVISION DELTA

1 — REVISION NUMBER

ROOM FINISH PLAN TAG

101 — ROOM NUMBER
NORTH — NORTH WALL FINISH
WEST — WEST WALL FINISH
EAST — EAST WALL FINISH
SOUTH — SOUTH WALL FINISH
BASE — WALL BASE FINISH
FLOOR — FLOOR FINISH

SHEET KEYNOTE

12 — SHEET KEYNOTE

DRAWING IDENTIFICATION

44 View Name — SCALE: 1/8" = 1'-0"
DRAWING NUMBER
DRAWING NAME
DRAWING SCALE

BUILDING SECTION IDENTIFCATION

1 / A101
DRAWING NUMBER
DIRECTION OF VIEW FROM CUT
LINE OF CUT
SHEET NUMBER

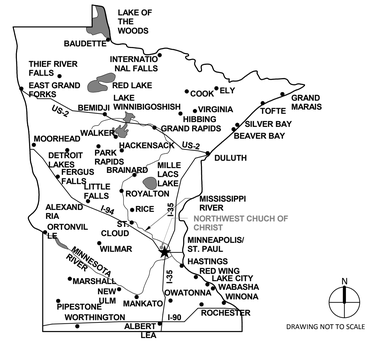
WALL SECTION IDENTIFCATION

1 / A101
DRAWING NUMBER
LINE OF CUT
SHEET NUMBER

DETAIL SECTION IDENTIFCATION

1 / A101
DRAWING NUMBER
LINE OF CUT
SHEET NUMBER

PROJECT VICINITY MAP - MN



DRAWING NOT TO SCALE

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE 03.15.2017
PHASE DESIGN DEVELOPMENT
PROJECT JLG 15143
SHEET **G100**
TITLE SHEET

3/31/2017 2:53:00 PM

CODE / ZONING REVIEW

	TOPIC	IBC REFERENCE	RESPONSE
01 - BUILDING STATISTICS:			
1.010	Basement Building Area		EXISTING BASEMENT 3865 SF NEW ADDITION 5778 SF
1.010	Basement Building Area		EXISTING BASEMENT 3865 SF NEW ADDITION 5778 SF
1.020	Level One Building Area		EXISTING FIRST FLOOR: 3865 SF NEW ADDITION: 5778 SF
1.020	Level One Building Area		EXISTING FIRST FLOOR: 3865 SF NEW ADDITION: 5778 SF
1.030	Level Two Building Area		EXISTING UPPER LEVEL349 SF NEW (IN EXISTING BUILDING) 1152 SF
1.030	Level Two Building Area		EXISTING UPPER LEVEL349 SF NEW (IN EXISTING BUILDING) 1152 SF
1.040	Total Building Area		20,438 SF
1.040	Total Building Area		20,438 SF
1.050	Building Height		2 STORIES PLUS BASEMENT 32'-0" MAN ABOVE FINISHED FLOOR
1.050	Building Height		2 STORIES PLUS BASEMENT 32'-0" MAN ABOVE FINISHED FLOOR
02 - ZONING / SITE REQUIREMENTS:			
2.010	Zoning District	R1	CUP APPROVED
2.010	Zoning District	R1	CUP APPROVED
2.020	Building Use	WORSHIP	
2.020	Building Use	WORSHIP	
2.030	Density/FAR	N/A	
2.030	Density/FAR	N/A	
2.040	Front Yard Setback	30 FT	
2.040	Front Yard Setback	30 FT	
2.050	Side Yard Setback	25 FT	
2.050	Side Yard Setback	25 FT	
2.060	Rear Yard Setback	25 FT	
2.060	Rear Yard Setback	25 FT	
2.070	Site Coverage Restrictions		BUILDING: 13.46% ASHALT 51.13% GREEN AREA: 35.41%
2.070	Site Coverage Restrictions		BUILDING: 13.46% ASHALT 51.13% GREEN AREA: 35.41%
2.080	Height Restrictions	32 FT	CITY OF NEW HOPE ZONING CODE
2.080	Height Restrictions	32 FT	CITY OF NEW HOPE ZONING CODE
2.090	Parking Requirements	22" PEW/PERSON	300 OCCUPANTS IN ASSEMBLY 101 SPACES
2.090	Parking Requirements	22" PEW/PERSON	300 OCCUPANTS IN ASSEMBLY 101 SPACES
2.100	Landscaping		
2.100	Landscaping		
2.110	Possible Variances		
2.110	Possible Variances		
2.120	Other Notes / Requirements		
2.120	Other Notes / Requirements		
03 - BUILDING CODE ANALYSIS - APPLICABLE GOVERNING CODES:			
3.010	Building Code	2015 MN STATE BLDG CODE	2015 MN CONSERVATION CODE FOR EXISTING BUILDINGS
3.010	Building Code	2015 MN STATE BLDG CODE	2015 MN CONSERVATION CODE FOR EXISTING BUILDINGS
3.020	Fire Code	2015 MN FIRE CODE	
3.020	Fire Code	2015 MN FIRE CODE	
3.030	Mechanical Code	2015 MN MECH & FUEL GAS CODE	
3.030	Mechanical Code	2015 MN MECH & FUEL GAS CODE	
3.040	Energy Code	2015 MN ENERGY CODE	
3.040	Energy Code	2015 MN ENERGY CODE	
3.050	Plumbing Code	2015 MN PLUMBING CODE	
3.050	Plumbing Code	2015 MN PLUMBING CODE	
3.060	Electrical Code	2014 NEC	
3.060	Electrical Code	2014 NEC	
3.070	Elevator Code	2015 MN ELEVATOR CODE	
3.070	Elevator Code	2015 MN ELEVATOR CODE	
3.080	Accessibility Code	2015 MN ACCESSIBILITY CODE	
3.080	Accessibility Code	2015 MN ACCESSIBILITY CODE	
3.090	Life Safety Code (NFPA)		
3.090	Life Safety Code (NFPA)		
04 - BUILDING CLASSIFICATION AND LIMITATIONS:			
4.010	Occupancy Classification by Code	A-3	NEW ADDITION A-3. EXISTING BUILDING NEW OCCUPANCY B
4.010	Occupancy Classification by Code	A-3	NEW ADDITION A-3. EXISTING BUILDING NEW OCCUPANCY B
4.020	Occupancy Separation(s)	Table 508.3.3	
4.020	Occupancy Separation(s)	Table 508.3.3	
4.030	Non-Separated Uses		
4.030	Non-Separated Uses		
4.040	Incidental Use Areas	Table 508.2	
4.040	Incidental Use Areas	Table 508.2	
4.050	Automatic Sprinkler System	YES	INCREASED BUILDING HEIGHT 20FT INCREASE 1 STORY IN ADDITION TO 506.2-506.3
4.050	Automatic Sprinkler System	YES	INCREASED BUILDING HEIGHT 20FT INCREASE 1 STORY IN ADDITION TO 506.2-506.3
4.060	Construction Type	VB	
4.060	Construction Type	VB	
4.080	Max. Allowable Area Basic Limit	Table 503	A-3 1 STORY 6000 SF B 2 STORIES 9000SF
4.080	Max. Allowable Area Basic Limit	Table 503	A-3 1 STORY 6000 SF B 2 STORIES 9000SF
4.090	Allowable Area Increase for Frontage	If = [F/P-.25]W/30	506.2 If = [F/P-.25]W/30 F=584'-5" P=607'-5" W=30 If =[584'-5"/607'-5"-.25]30/30 = .71
4.090	Allowable Area Increase for Frontage	If = [F/P-.25]W/30	506.2 If = [F/P-.25]W/30 F=584'-5" P=607'-5" W=30 If =[584'-5"/607'-5"-.25]30/30 = .71
4.100	Allowable Area Increase for Sprinkler	Is=2	506.3 200% INCREASE
4.100	Allowable Area Increase for Sprinkler	Is=2	506.3 200% INCREASE
4.110	Area Increase Formula	Area = At + (At * If) + (At * Is)	506.1 Area = 6000 + (6000 * .71) + (6000 * 2) = 22,260 SF
4.110	Area Increase Formula	Area = At + (At * If) + (At * Is)	506.1 Area = 6000 + (6000 * .71) + (6000 * 2) = 22,260 SF
4.120	Maximum Allowable Height Basic Limit	1 STORY	
4.120	Maximum Allowable Height Basic Limit	1 STORY	
4.130	Maximum Allowable Height with Modifications	2 STORIES 60 FT	
4.130	Maximum Allowable Height with Modifications	2 STORIES 60 FT	

CODE / ZONING REVIEW

	TOPIC	IBC REFERENCE	RESPONSE
4.140	Is This a High Rise Classification	NO	
4.140	Is This a High Rise Classification	NO	
4.150	Mixed Occupancy Area Calculation	N/A	
4.150	Mixed Occupancy Area Calculation	N/A	
4.160	Special Requirments Based on Occupancy	N/A	
4.160	Special Requirments Based on Occupancy	N/A	
05 - FIRE RESTRICTIVE REQUIREMENTS:			
5.010	Construction Type	VB	
5.010	Construction Type	VB	
5.020	Structural Frame	Table 601	
5.020	Structural Frame	Table 601	
5.030	Exterior Bearing Walls	Table 601	
5.030	Exterior Bearing Walls	Table 601	
5.040	Interior Bearing Walls	Table 601	
5.040	Interior Bearing Walls	Table 601	
5.050	Interior Supporting Roof Bearing Walls	Table 601	
5.050	Interior Supporting Roof Bearing Walls	Table 601	
5.060	Nonbearing Exterior Walls	Table 601	
5.060	Nonbearing Exterior Walls	Table 601	
5.070	Nonbearing Interior Walls	Table 601	
5.070	Nonbearing Interior Walls	Table 601	
5.080	Floor Construction	Table 601	
5.080	Floor Construction	Table 601	
5.090	Roof Construction	Table 601	
5.090	Roof Construction	Table 601	
5.100	Exterior Wall Projections	Section 704	
5.100	Exterior Wall Projections	Section 704	
5.110	Exterior Wall Openings	Table 704.8	
5.110	Exterior Wall Openings	Table 704.8	
5.120	Exterior Wall Parapet		
5.120	Exterior Wall Parapet		
5.130	Fire Walls	Section 705	
5.130	Fire Walls	Section 705	
5.140	Fire Barriers	Section 706	
5.140	Fire Barriers	Section 706	
5.150	Shaft Enclosures	Section 707	
5.150	Shaft Enclosures	Section 707	
5.160	Elevator Lobby	Section 706	
5.160	Elevator Lobby	Section 706	
5.170	Exit Enclosures	Section 1020.1	
5.170	Exit Enclosures	Section 1020.1	
5.180	Exit Passageway	Section 1021.1	
5.180	Exit Passageway	Section 1021.1	
5.190	Horizontal Exit	Section 1022.1	
5.190	Horizontal Exit	Section 1022.1	
5.200	Atriums	Section 404.5	
5.200	Atriums	Section 404.5	
5.210	Incidental Use Areas	Section 508.2	
5.210	Incidental Use Areas	Section 508.2	
5.220	Control Areas	Section 414.2.3	
5.220	Control Areas	Section 414.2.3	
5.230	Separation of Mixed Occ.		
5.230	Separation of Mixed Occ.		
5.240	Exterior Walls	Section 704	
5.240	Exterior Walls	Section 704	
5.250	Fire Partitions	Section 708	
5.250	Fire Partitions	Section 708	
5.260	Dwelling Unit Demising Walls		
5.260	Dwelling Unit Demising Walls		
5.270	Corridor Walls	Section 1017.1	
5.270	Corridor Walls	Section 1017.1	
5.280	Elevator Lobby Walls		
5.280	Elevator Lobby Walls		
5.290	Horizontal Assemblies		
5.290	Horizontal Assemblies		
5.300	Penetrations	Section 712	
5.300	Penetrations	Section 712	
5.310	Joint Systems	Section 713	
5.310	Joint Systems	Section 713	
5.320	Structural Memebers	Section 714	
5.320	Structural Memebers	Section 714	
5.330	Opening Protectives	Section 715	
5.330	Opening Protectives	Section 715	
5.340	Ducts/Transfer Openings	Section 716	
5.340	Ducts/Transfer Openings	Section 716	
5.350	Concealed Spaces	Section 717	
5.350	Concealed Spaces	Section 717	
5.360	Fireblocking		
5.360	Fireblocking		
5.370	Draftstopping - Floor and Ceiling	Sections 708.4 & 717.3.2	
5.370	Draftstopping - Floor and Ceiling	Sections 708.4 & 717.3.2	
5.380	Draftstopping in Attic	Section 717.4.2	
5.380	Draftstopping in Attic	Section 717.4.2	
06 - EGRESS REQUIREMENTS:			
6.010	Occupancy	Chapter 10	
6.010	Occupancy	Chapter 10	
6.020	Occupant Load	Section 1004	
6.020	Occupant Load	Section 1004	
6.030	Accessible Means of Egress	Section 1007	Where more than one means of egress is req'd (by Section 1015.1 or 1019.1) from any accessible space, not less than two accessible means of egress are req'd.
6.030	Accessible Means of Egress	Section 1007	Where more than one means of egress is req'd (by Section 1015.1 or 1019.1) from any accessible space, not less than two accessible means of egress are req'd.
6.040	Exit Stairways		To be accessible means of egress, must have area of refuge
6.040	Exit Stairways		To be accessible means of egress, must have area of refuge
6.050	Elevators		See Code – special requirements such as standby power and area of refuge
6.050	Elevators		See Code – special requirements such as standby power and area of refuge
6.060	Minimum Ceiling Height		

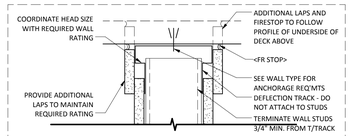
CODE / ZONING REVIEW

	TOPIC	IBC REFERENCE	RESPONSE
6.070	Minimum Door Height Clearance		6'-8"
6.070	Minimum Door Height Clearance		6'-8"
6.080	Stairway Width		36" EXIST STAIRS 44" MIN. NEW STAIRS
6.080	Stairway Width		36" EXIST STAIRS 44" MIN. NEW STAIRS
6.090	Stairway Headroom		MAINTAIN HEIGHT AT EXISTING STAIR, MIN 6'-8" NEW STAIR MEASURED VERTICALLY FROM A LINE CONNECTING THE EDGE OF THE NOSINGS
6.090	Stairway Headroom		MAINTAIN HEIGHT AT EXISTING STAIR, MIN 6'-8" NEW STAIR MEASURED VERTICALLY FROM A LINE CONNECTING THE EDGE OF THE NOSINGS
6.100	Max Height Between Landings		
6.100	Max Height Between Landings		
6.110	Handrails		
6.110	Handrails		
6.120	Stair Run/Rise		EXISTING MAINTAINED NEW RISER MAX HEIGHT 7" NEW TRAD MAX HEIGHT 11"
6.120	Stair Run/Rise		EXISTING MAINTAINED NEW RISER MAX HEIGHT 7" NEW TRAD MAX HEIGHT 11"
6.140	Common Path of Egress		
6.140	Common Path of Egress		
6.150	Exit Access		
6.150	Exit Access		
6.160	Exit Access Travel Distance		
6.160	Exit Access Travel Distance		
07 - ACCESSIBILITY:			
7.010	Building Entrances	Chapter 11	60% of building entrances must be accessible
7.010	Building Entrances	Chapter 11	60% of building entrances must be accessible
08 - INTERIOR ENVIRONMENT:			
8.010	Ventilation	Chapter 12	
8.010	Ventilation	Chapter 12	
8.020	Temperature Control	Chapter 12	System must provide 68 degree temp at a point 3ft above floor on the design heating day.
8.020	Temperature Control	Chapter 12	System must provide 68 degree temp at a point 3ft above floor on the design heating day.
8.030	Lighting	Chapter 12	
8.030	Lighting	Chapter 12	
8.040	Sound Transmission	Chapter 12	Common interior walls, partitions, and floor ceiling assemblies between adj dwelling units or between dwelling units and public spaces.
8.040	Sound Transmission	Chapter 12	Common interior walls, partitions, and floor ceiling assemblies between adj dwelling units or between dwelling units and public spaces.
8.050	Interior Space Dimensions	Chapter 12	
8.050	Interior Space Dimensions	Chapter 12	
8.060	Access to Unoccupied Spaces	Chapter 12	
8.060	Access to Unoccupied Spaces	Chapter 12	
8.070	Surrounding Materials	Chapter 12	
8.070	Surrounding Materials	Chapter 12	
09 - ENERGY EFFICIENCY:			
9.010		Chapter 13	See International Energy Conservation Code and local amendments
9.010		Chapter 13	See International Energy Conservation Code and local amendments
10 - STRUCTURAL AND SPECIAL TESTING:			
10.010	Item Requiring Testing	Chapter 17	
10.010	Item Requiring Testing	Chapter 17	
10.020	Required Standard	Chapter 17	
10.020	Required Standard	Chapter 17	
10.030	Type of Inspector	Chapter 17	
10.030	Type of Inspector	Chapter 17	
10.040	Frequency	Chapter 17	
10.040	Frequency	Chapter 17	
10.050	Responsible for Inspections	Chapter 17	
10.050	Responsible for Inspections	Chapter 17	
11 - PLUMBING FIXTURE REQUIREMENTS:			
11.010	Lavs (sinks)	Chapter 29	934 TOTAL OCCUPANTS = 467 MEN; 467 WOMEN 1 PER 200 OCCUPANTS REQUIRED Men = 3 PROVIDED:5 REQUIRED Women = 3 PROVIDED: 5
11.010	Lavs (sinks)	Chapter 29	934 TOTAL OCCUPANTS = 467 MEN; 467 WOMEN 1 PER 200 OCCUPANTS REQUIRED Men = 3 PROVIDED:5 REQUIRED Women = 3 PROVIDED: 5
11.020	Water Closets (Toilets)	Chapter 29	934 TOTAL OCCUPANTS = 467 MEN; 467 WOMEN MEN = 1 PER 150 REQUIRED MEN = 4; PROVIDED = 7 (INCLUDING URINALS); WOMEN = 1 PER 75; WOMEN REQUIRED = 7 PROVIDED = 7
11.020	Water Closets (Toilets)	Chapter 29	934 TOTAL OCCUPANTS = 467 MEN; 467 WOMEN MEN = 1 PER 150 REQUIRED MEN = 4; PROVIDED = 7 (INCLUDING URINALS); WOMEN = 1 PER 75; WOMEN REQUIRED = 7 PROVIDED = 7
11.030	Urinals	Chapter 29	4
11.030	Urinals	Chapter 29	4
11.040	Drinking Fountains	Chapter 29	1 PER 1000 1 REQUIRED. 2 PROVIDED.
11.040	Drinking Fountains	Chapter 29	1 PER 1000 1 REQUIRED. 2 PROVIDED.

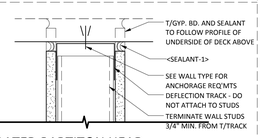
INTERIOR PARTITION LEGEND

PARTITION CLASSIFICATIONS:

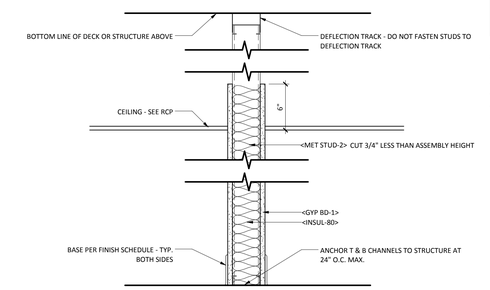
A ACOUSTIC FULL HEIGHT GYP. BD. WALL
F SINGLE SIDED GYP. BD. WALLS
M MASONRY WALLS
P PARTITION WALLS (TERMINATE 6" ABOVE CEILING)
S SHAFTWALLS



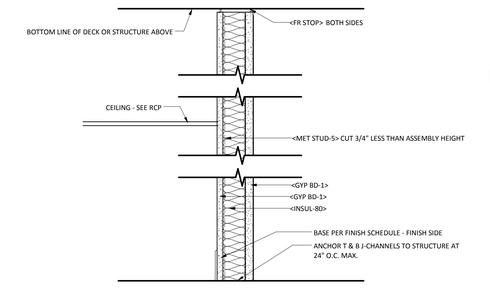
6 RATED PARTITON HEAD
SCALE: 3" = 1'-0"



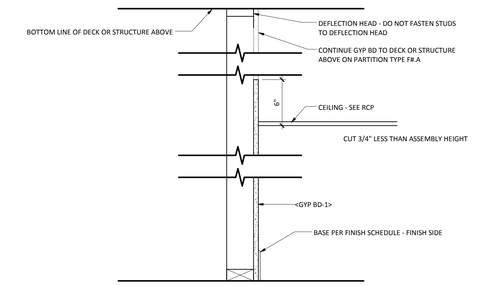
7 NON-RATED PARTITON HEAD
SCALE: 3" = 1'-0"



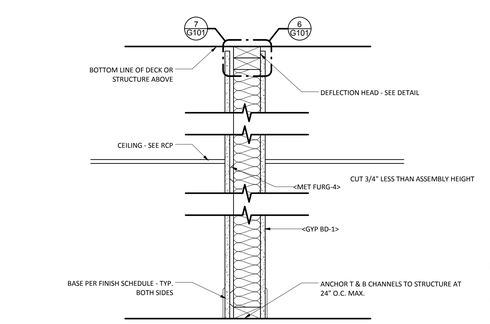
PARTITION TYPE P							
WALL TAG	STUD SIZE & SPACING	WIDTH	G.B. THK (EA. SIDE)	INSUL THICK.	RATING	UL NO.	COMMENTS



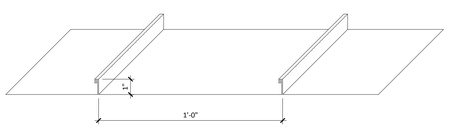
PARTITION TYPE S							
WALL TAG	STUD SIZE & SPACING	WIDTH	G.B. THK (EA. SIDE)	INSUL THICK.	RATING	UL NO.	COMMENTS



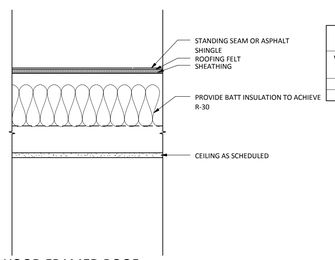
PARTITION TYPE F							
WALL TAG	STUD SIZE & SPACING	WIDTH	G.B. THK	INSUL THICK.	RATING	UL NO.	COMMENTS
F2	1 5/8" M.S. @ 16" O.C.	2 1/4"	5/8"	N/A	0HR	--	--
F4	3 5/8" M.S. @ 16" O.C.	4 1/4"	5/8"	N/A	0HR	--	--



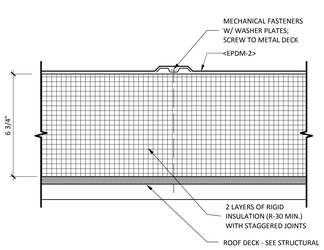
PARTITION TYPE A							
WALL TAG	STUD SIZE & SPACING	WIDTH	G.B. THK (EA. SIDE)	INSUL THICK.	RATING	UL NO.	COMMENTS
A4	3 5/8" M.S. @ 16" O.C.	4 7/8"	5/8"	FILL CAVITY	0HR	--	--
A4.1	3 5/8" M.S. @ 16" O.C.	4 7/8"	5/8"	FILL CAVITY	1HR	U425	--
A6	6" M.S. @ 16" O.C.	6 3/4"	5/8"	FILL CAVITY	0HR	--	--



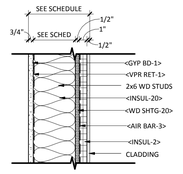
METAL ROOF PANEL PROFILE



TYPE R1 - WOOD FRAMED ROOF

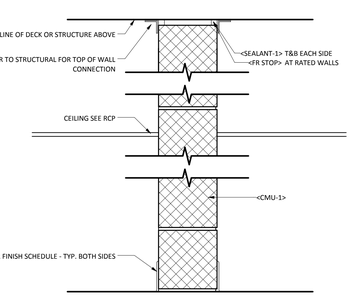


ROOF TYPE R2 - EPDM



EXTERIOR WALL EX-

EXTERIOR WALL TYPE X4							
WALL TAG	STUD SIZE & SPACING	WIDTH	G.B. THK	INSUL THICK.	RATING	UL NO.	COMMENTS
EX6	5 1/2" W.S. @ 16" O.C.	8"	5/8"	FILL CAVITY	0HR	--	--
EX8	7 1/4" W.S. @ 16" O.C.	9 3/4"	5/8"	FILL CAVITY	0HR	--	--



PARTITION TYPE M					
WALL TAG	CMU SIZE	WIDTH	RATING	UL NO.	COMMENTS
M4	4" CMU	3 5/8"	0HR	--	--
M8	8" CMU	7 5/8"	0HR	--	--

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PRELIMINARY
NOT FOR CONSTRUCTION

No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
03.15.2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
G101
TYP ASSEMBLIES & MATERIAL ID LIST

3/17/2017 2:53:04 PM

FLOOR AREA SCHEDULE

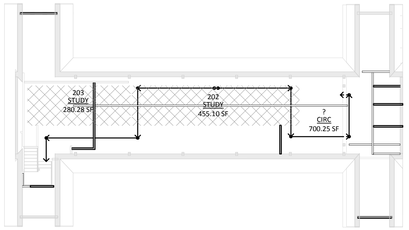
VV	NAME	AREA	OCCUPANCY CLASSIFICATION (IBC CHAPTER 3)	IBC CHAPTER 10 FUNCTION OF SPACE	FLOOR AREA PER OCCUPANT	SF PER OCC. MEASUREMENT	MAX. ALLOWABLE OCCUPANT LOAD	REMARKS	Level
	MECH/ ELEC	419 SF	A-1	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	2		EXIST LOWER LEVEL
	MECH	291 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		EXIST LOWER LEVEL
	WORKROOM	371 SF	B	BUSINESS AREA	100	GROSS	4		EXIST LOWER LEVEL
	GATHERING	1,074 SF	A-3	ASSEMBLY – W/O FIXED SEATING - STANDING	5	NET	215		EXIST MAIN LEVEL
	SOUND	437 SF	A-3	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	30		EXIST MAIN LEVEL
	ASSEMBLY	3,089 SF	A-3	ASSEMBLY - FIXED SEATING				367 OCCUPANTS 18" PER PERSON/PEW	EXIST MAIN LEVEL
	OFFICE	342 SF	B	BUSINESS AREA	100	GROSS	4	ASSEMBLY LESS THAN 49 OCCUPANTS WILL BE CONSIDERED B OCCUPANCY TYP	EXIST MAIN LEVEL
	OFFICE	133 SF	B	BUSINESS AREA	100	GROSS	2		EXIST MAIN LEVEL
	STUDY	162 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		EXIST MAIN LEVEL
	STUDY	154 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		EXIST MAIN LEVEL
	STUDY	154 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		EXIST MAIN LEVEL
	STUDY	183 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		EXIST MAIN LEVEL
	STUDY	122 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	9		EXIST MAIN LEVEL
	STUDY	150 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		EXIST MAIN LEVEL
	STUDY	150 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		EXIST MAIN LEVEL
	STUDY	158 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		EXIST MAIN LEVEL
	UNFINISHED	3,445 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST LOWER LEVEL
	STUDY	151 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		EXIST LOWER LEVEL
	PREP	77 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	6		EXIST LOWER LEVEL
	STUDY	189 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		EXIST LOWER LEVEL
	STUDY	173 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	12		EXIST LOWER LEVEL
	STUDY	351 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	24		EXIST LOWER LEVEL
	STUDY	181 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		EXIST LOWER LEVEL
	STUDY	176 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	12		EXIST LOWER LEVEL
	STUDY	235 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	16		EXIST LOWER LEVEL
	MECH	80 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		EXIST LOWER LEVEL
	STUDY	185 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		EXIST LOWER LEVEL
	STOR	179 SF	S-1	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		EXIST LOWER LEVEL
	CIRC	1,466 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST LOWER LEVEL
	STAIR	48 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST LOWER LEVEL
	ELEV EQUIP	51 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		EXIST LOWER LEVEL
	TOILET	250 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST LOWER LEVEL
	TOILET	206 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST LOWER LEVEL
	TOILET	67 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	TOILET	76 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	WOMENS TOILET	218 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	VESTIBULE	66 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	MENS TOILET	218 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	VESTIBULE	181 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	JAN	31 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		EXIST MAIN LEVEL
	ELEV	48 SF	UNOCCUPIED	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	STAIR	100 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	STAIR	102 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	STAIR	85 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	CIRC	1,093 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	STAIR	104 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST MAIN LEVEL
	PREP	90 SF	B	BUSINESS AREA	100	GROSS	1		EXIST MAIN LEVEL
	STAIR	96 SF	CIRCULATION	UNOCCUPIED SPACE					EXIST LOWER LEVEL
	CIRC	700 SF	(none)	(none)					EXIST UPPER LEVEL
	TOILET	33 SF	(none)	(none)					EXIST MAIN LEVEL
	MECH/ ELEC	419 SF	A-1	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	2		BASEMENT
	MECH	291 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		BASEMENT
	WORKROOM	371 SF	B	BUSINESS AREA	100	GROSS	4		BASEMENT
	GATHERING	1,074 SF	A-3	ASSEMBLY – W/O FIXED SEATING - STANDING	5	NET	215		MAIN LEVEL
	SOUND	437 SF	A-3	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	30		MAIN LEVEL
	ASSEMBLY	3,089 SF	A-3	ASSEMBLY - FIXED SEATING				367 OCCUPANTS 18" PER PERSON/PEW	MAIN LEVEL
	OFFICE	342 SF	B	BUSINESS AREA	100	GROSS	4	ASSEMBLY LESS THAN 49 OCCUPANTS WILL BE CONSIDERED B OCCUPANCY TYP	MAIN LEVEL
	OFFICE	133 SF	B	BUSINESS AREA	100	GROSS	2		MAIN LEVEL
	STUDY	162 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		MAIN LEVEL
	STUDY	154 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		MAIN LEVEL
	STUDY	154 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		MAIN LEVEL
	STUDY	183 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		MAIN LEVEL
	STUDY	122 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	9		MAIN LEVEL
	STUDY	150 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		MAIN LEVEL
	STUDY	150 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		MAIN LEVEL
	STUDY	158 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		MAIN LEVEL
	UNFINISHED	3,445 SF	UNOCCUPIED	UNOCCUPIED SPACE					BASEMENT
	STUDY	151 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	11		BASEMENT
	PREP	77 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	6		BASEMENT
	STUDY	189 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		BASEMENT
	STUDY	173 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	12		BASEMENT
	STUDY	351 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	24		BASEMENT
	STUDY	181 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		BASEMENT
	STUDY	176 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	12		BASEMENT
	STUDY	235 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	16		BASEMENT
	MECH	80 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		BASEMENT
	STUDY	185 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	13		BASEMENT
	STOR	179 SF	S-1	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		BASEMENT
	CIRC	1,466 SF	CIRCULATION	UNOCCUPIED SPACE					BASEMENT
	STAIR	48 SF	CIRCULATION	UNOCCUPIED SPACE					BASEMENT
	ELEV EQUIP	51 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		BASEMENT
	TOILET	250 SF	UNOCCUPIED	UNOCCUPIED SPACE					BASEMENT
	TOILET	206 SF	UNOCCUPIED	UNOCCUPIED SPACE					BASEMENT
	TOILET	67 SF	UNOCCUPIED	UNOCCUPIED SPACE					MAIN LEVEL
	TOILET	76 SF	UNOCCUPIED	UNOCCUPIED SPACE					MAIN LEVEL
	WOMENS TOILET	218 SF	UNOCCUPIED	UNOCCUPIED SPACE					MAIN LEVEL
	VESTIBULE	66 SF	UNOCCUPIED	UNOCCUPIED SPACE					MAIN LEVEL
	MENS TOILET	218 SF	UNOCCUPIED	UNOCCUPIED SPACE					MAIN LEVEL
	VESTIBULE	181 SF	UNOCCUPIED	UNOCCUPIED SPACE					MAIN LEVEL
	JAN	31 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		MAIN LEVEL
	ELEV	48 SF	UNOCCUPIED	UNOCCUPIED SPACE					MAIN LEVEL
	STAIR	100 SF	CIRCULATION	UNOCCUPIED SPACE					MAIN LEVEL
	STAIR	102 SF	CIRCULATION	UNOCCUPIED SPACE					MAIN LEVEL
	STAIR	85 SF	CIRCULATION	UNOCCUPIED SPACE					MAIN LEVEL
	CIRC	1,093 SF	CIRCULATION	UNOCCUPIED SPACE					MAIN LEVEL
	STAIR	104 SF	CIRCULATION	UNOCCUPIED SPACE					MAIN LEVEL
	PREP	90 SF	B	BUSINESS AREA	100	GROSS	1		MAIN LEVEL
	STAIR	96 SF	CIRCULATION	UNOCCUPIED SPACE					BASEMENT
	TOILET	33 SF	(none)	(none)					MAIN LEVEL
	STUDY	222 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	15		EXIST MAIN LEVEL
	STOR	116 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		EXIST LOWER LEVEL
	STUDY	222 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	15		MAIN LEVEL
	STOR	116 SF	ACCESSORY USE	ACCESSORY STORAGE, MECH EQUIPMENT ROOM	300	GROSS	1		BASEMENT
202	STUDY	455 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	31		EXIST UPPER LEVEL
203	STUDY	280 SF	B	ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED	15	NET	19		EXIST UPPER LEVEL
		36,999 SF					1,018		

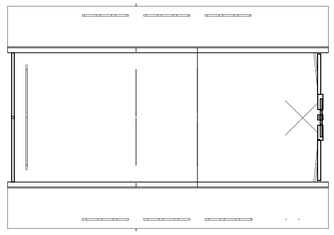
TRAVEL DISTANCE		
Travel Distance	Path ID	Level
907'-3"		

LIFE SAFETY PLAN LEGEND

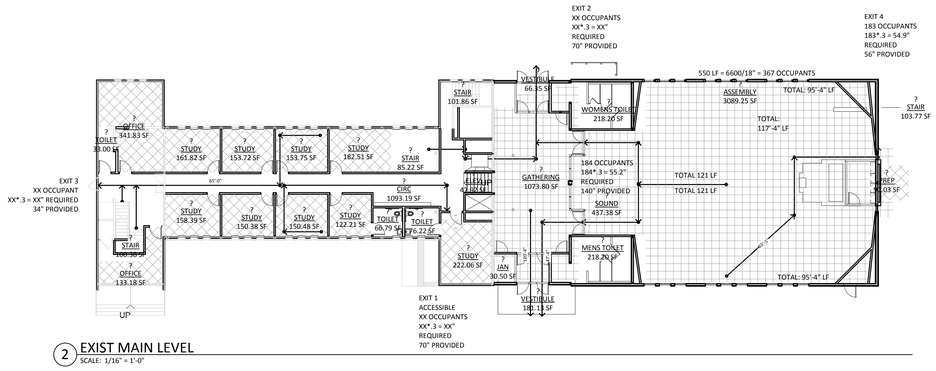
- 1 HOUR FIRE RATED WALL
- 2 HOUR FIRE RATED WALL
- 3 HOUR FIRE RATED WALL
- 4 HOUR FIRE RATED WALL
- 1 HOUR FIRE & SMOKE RATED WALL
- 2 HOUR FIRE & SMOKE RATED WALL
- 3 HOUR FIRE & SMOKE RATED WALL
- 4 HOUR FIRE & SMOKE RATED WALL

NUMBER	ELEMENT ID NUMBER
WIDTH	EGRESS WIDTH
FACTOR	EGRESS FACTOR
CAPACITY	EGRESS CAPACITY
LOAD	ELEMENT ID NUMBER

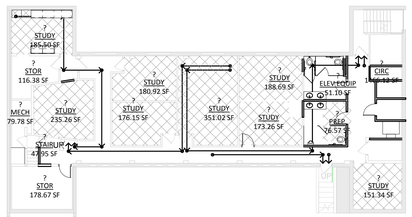




3 UPPER LEVEL
SCALE: 1/16" = 1'-0"



2 EXIST MAIN LEVEL
SCALE: 1/16" = 1'-0"



1 LOWER LEVEL LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

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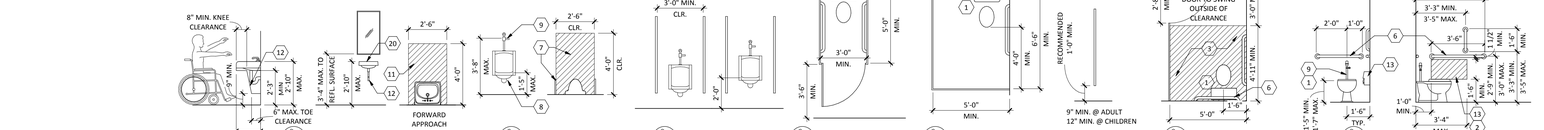
No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

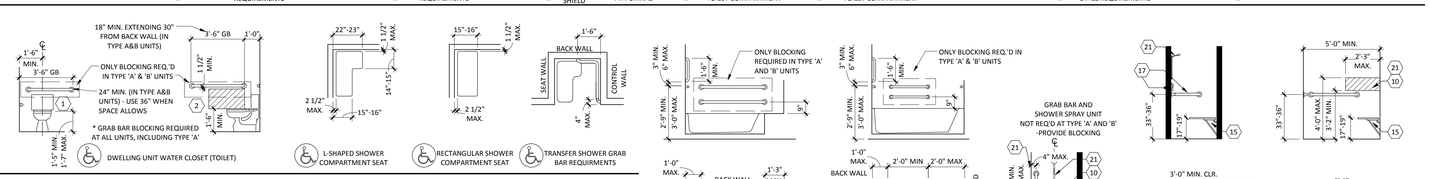
DATE
03.15.2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
G110
LIFE SAFETY PLAN

3/31/2017 2:53:09 PM

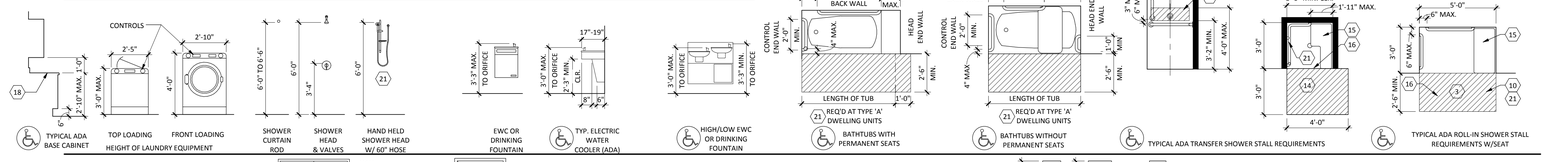
MOUNTING HEIGHTS



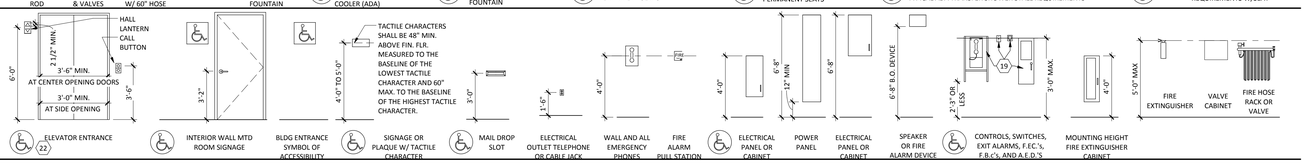
TYPICAL ADA LAVATORY REQUIREMENTS | TYPICAL ADA URINAL REQUIREMENTS | URINAL SHIELD | NON ADA TYP. URINAL | AMBULATORY ACCESSIBLE TOILET COMPARTMENT | WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT | TOILET PARTITION | TYPICAL ADA END OF ROW STALL REQUIREMENTS | TYPICAL ADA STALL REQUIREMENTS



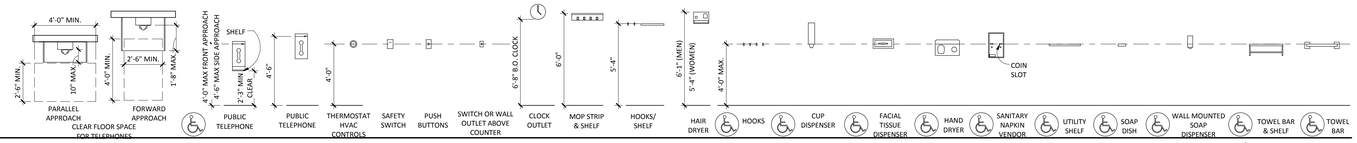
DWELLING UNIT WATER CLOSET (TOILET) | L-SHAPED SHOWER COMPARTMENT SEAT | RECTANGULAR SHOWER COMPARTMENT SEAT | TRANSFER SHOWER GRAB BAR REQUIRMENTS | BATHTUBS WITH PERMANENT SEATS | BATHTUBS WITHOUT PERMANENT SEATS | TYPICAL ADA TRANSFER SHOWER STALL REQUIREMENTS | TYPICAL ADA ROLL-IN SHOWER STALL REQUIREMENTS W/SEAT



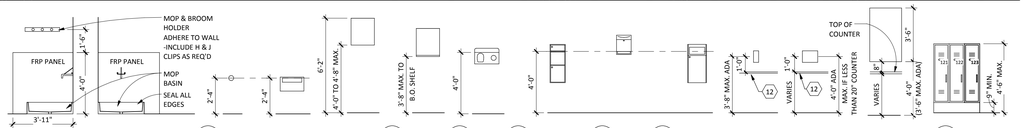
TYPICAL ADA BASE CABINET | TOP LOADING HEIGHT OF LAUNDRY EQUIPMENT | FRONT LOADING | SHOWER CURTAIN ROD | SHOWER HEAD & VALVES | HAND HELD SHOWER HEAD W/ 60" HOSE | EWC OR DRINKING FOUNTAIN | TYP. ELECTRIC WATER COOLER (ADA) | HIGH/LOW EWC OR DRINKING FOUNTAIN



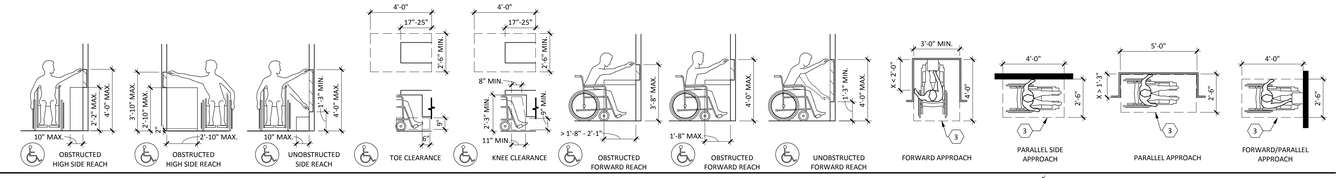
ELEVATOR ENTRANCE | INTERIOR WALL MTD ROOM SIGNAGE | BLDG ENTRANCE SYMBOL OF ACCESSIBILITY | SIGNAGE OR PLAQUE W/ TACTILE CHARACTER | MAIL DROP SLOT | ELECTRICAL OUTLET TELEPHONE OR CABLE JACK | WALL AND ALL EMERGENCY PHONES | FIRE ALARM PULL STATION | ELECTRICAL PANEL OR CABINET | POWER PANEL | ELECTRICAL PANEL OR CABINET | SPEAKER OR FIRE ALARM DEVICE | CONTROLS, SWITCHES, EXIT ALARMS, F.E.C.'s, F.B.C's, AND A.E.D.'S | MOUNTING HEIGHT FIRE EXTINGUISHER CABINET



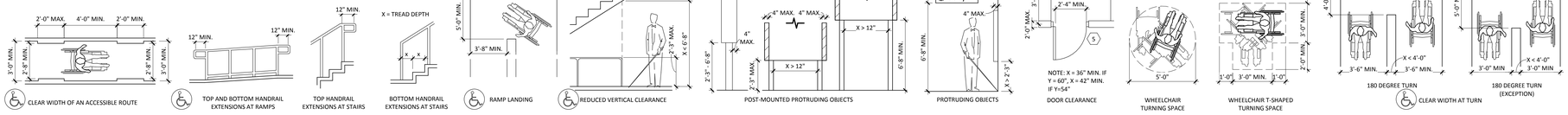
PUBLIC TELEPHONE | PUBLIC TELEPHONE | THERMOSTAT HVAC CONTROLS | SAFETY SWITCH | PUSH BUTTONS | SWITCH OR WALL OUTLET ABOVE COUNTER | CLOCK OUTLET | MOP STRIP & SHELF | HOOKS/ SHELF | HAIR DRYER | HOOKS | CUP DISPENSER | FACIAL TISSUE DISPENSER | HAND DRYER | SANITARY NAPKIN VENDOR | UTILITY SHELF | SOAP DISH | WALL MOUNTED SOAP DISPENSER | TOWEL BAR & SHELF | TOWEL BAR



TYP. MOP SINK ELEVS. | INTERIOR HOSE BIBB | SEAT COVER DISPENSER | MEDICINE CABINET | MEDICINE CABINET | HAND DRYER | PAPER TOWEL DISPENSER & RECEPTACLE | PAPER TOWEL DISPENSER | WASTE RECEPTACLE | SOAP DISPENSER | PAPER TOWEL DISPENSER | MIRROR (ADA) | LOCKER DIMENSIONS



OBSTRUCTED HIGH SIDE REACH | OBSTRUCTED HIGH SIDE REACH | UNOBSTRUCTED SIDE REACH | TOE CLEARANCE | KNEE CLEARANCE | OBSTRUCTED FORWARD REACH | OBSTRUCTED FORWARD REACH | UNOBSTRUCTED FORWARD REACH | FORWARD APPROACH | PARALLEL SIDE APPROACH | PARALLEL APPROACH | FORWARD/PARALLEL APPROACH



CLEAR WIDTH OF AN ACCESSIBLE ROUTE | TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS | TOP HANDRAIL EXTENSIONS AT STAIRS | BOTTOM HANDRAIL EXTENSIONS AT STAIRS | RAMP LANDING | REDUCED VERTICAL CLEARANCE | POST-MOUNTED PROTRUDING OBJECTS | PROTRUDING OBJECTS | DOOR CLEARANCE | WHEELCHAIR TURNING SPACE | WHEELCHAIR T-SHAPED TURNING SPACE | 180 DEGREE TURN | 180 DEGREE TURN (EXCEPTION) | CLEAR WIDTH AT TURN

MOUNTING HEIGHT KEYNOTES

1 CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE (ACCESSIBLE) OF TOILET AREAS NO MORE THAN 44 IN ABOVE THE FLOOR.
2 INSTALL TOILET PAPER DISPENSERS 19" TO CENTERLINE OF DISPENSER ABOVE FINISHED FLOOR. DISPENSERS THAT CONTROL DELIVERY ARE NOT PERMITTED.
3 HATCHED OR DASHED SPACE INDICATEDS REQUIRED CLEAR FLOOR SPACE.
4 DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32 IN WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND STOP.
5 HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.
6 GRAB BARS SHALL BE PROVIDED AT ALL ACCESSIBLE TOILET AREAS. MOUNT AT HEIGHT SHOWN AND DO NOT OBSTRUCT ANY REQUIRED CLEARANCES.
7 A CLEAR FLOOR SPACE OF 30IN BY 48IN SHALL BE PROVIDED TO ALLOW FORWARD APPROACH. URINAL SHIELDS THAT DO NOT EXTEND BEYOND THE FRONT END OF THE URINAL RIM MAY BE PROVIDED WITH 29 IN CLEARANCE BETWEEN THEM.
8 URINALS SHALL BE WALL-HUNG WITH AN ELONGATED RIM AT A MAXIMUM OF 17 IN ABOVE THE FLOOR.
9 FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC AND MOUNTED NO MORE THAN 44 IN ABOVE THE FLOOR.
10 CONTROLS
11 A CLEAR FLOOR SPACE OF 30IN BY 48IN SHALL BE PROVIDED TO ALLOW FORWARD APPROACH.
12 HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
13 TOILET PAPER DISPENSERS AND SANITARY PRODUCT DISPOSAL
14 SHOWER STALL SIZE SHALL BE 36IN BY 36IN MINIMUM. CLEAR FLOOR SPACE SHALL BE 36IN MINIMUM IN DWELLING UNIT.
15 A SEAT SHALL BE PROVIDED IN SHOWER STALLS 36IN BY 36IN AS INDICATED ABOVE. THE SEAT SHALL BE ON THE WALL OPPOSITE THE CONTROLS. STRUCTURAL STRENGTH OF SEATS AND THE ATTACHEMENT MUST COMPLY WITH CODE.
16 IF PROVIDED, CURBS IN SHOWER STALLS 36IN BY 36IN SHALL BE NO HIGHER THAN 1/2IN.
17 LOCATE CONTROLS AND GRAB BARS.
18 COUNTER
19 OBJECTS PROJECTING FROM WALLS WITH LEADING EDGES 27-80" ABOVE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES
20 FAUCETS, CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.
21 A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60IN LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED.
22 ELEVATOR SUPPLIER/MANUFACTURER/INSTALLER TO VERIFY CODE REQUIREMENTS.

ACCESSIBLE MOUNTING NOTES

A. MOUNTING DIMENSIONS SHOW ACCESSIBLE AND NON-ACCESSIBLE CONDITIONS. WHEN ONLY ONE OPTION IS SHOWN - ALL ITEMS IN PROJECT SHALL BE ACCESSIBLE. WHEN ITEMS CAN BE ACCESSIBLE OR NON-ACCESSIBLE, DRAWINGS WILL INDICATE LOCATION OF ACCESSIBLE ITEMS BY THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY
B. COORDINATE ITEMS SHOWN ON THIS DRAWING WITH PLANS AND SPECIFICATIONS FOR ACTUAL ITEMS USED ON THIS PROJECT.
C. ALL ACCESSIBILITY STANDARDS ARE BASED ON IBC AND ANSI A117.1 2009
D. MINIMUM & MAXIMUMS ARE SHOWN TO ALLOW ADJUSTMENTS TO CONDITIONS IN THE FIELD, WHEN POSSIBLE, TRY TO MAINTAIN A TYPICAL MOUNTING HEIGHT THROUGHOUT PROJECT
E. STRUCTURAL STRENGTH OF GRAB BARS, TUB & SHOWER SEATS, FASTENERS & MOUNTING DEVICES SHALL SUSTAIN A 250 LB. LOAD AS PER UFAS 4.26.3
F. GRAB BARS SHALL NOT ROTATE IN THEIR FITTINGS AS PER UFAS 4.26.3
G. PROVIDE BACKING AS REQUIRED TO INSTALL ALL FIXTURES & EQUIPMENT - COORDINATE WITH OWNER FOR OWNER FURNISHED CONTRACTOR INSTALLED ITEMS
H. WATER CLOSET FLUSH VALVES TO BE LOCATED ON ACCESSIBLE SIDE
I. THIS IS A UNIVERSAL SHEET - ITEMS SHOWN MAY NOT ALL BE APPLICABLE TO THIS PROJECT

No.	Description	Date

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Minneapolis, MN 55401
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www.jlgarchitects.com

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NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE 03.15.2017
PHASE DESIGN DEVELOPMENT
PROJECT JLG 15143
SHEET G120
MOUNTING HEIGHTS

3/31/2017 2:55:10 PM

STRUCTURAL ABBREVIATIONS

ADDN'L	Additional
@	At
&	And
ANCH	Anchor
AB	Anchor Bolt
L	Angle
ALT	Alternate
ARCH	Architect or Architectural
BSMT	Basement
BM	Beam
BRG	Bearing
BNT	Bent
BTWN or BET	Between
BLK	Block
BB	Bond Beam / Lintel Beam
BOT or BTM	Bottom
Brkt	Bracket
Bldg	Building
Cant	Cantilever
CLG	Ceiling
CTR	Center
CTRD	Centered
CL	Center Line
C	Channel
CLR	Clear
COL	Column
COMP	Composite
CONC	Concrete
CMU	Concrete Masonry Unit
COND	Condition
CONN	Connection
CONST	Construction
CJ	Control Joint
CONT	Continuous
CONTR	Contractor
DBA	Deformed Bar Anchor
DL	Dead Load
DEFL	Deflection
DTL or DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DWL(s)	Dowel(s)
DWG(s) or DRWG	Drawing(s)
EA	Each
EF	Each Face
EW	Each Way
E-W	East - West
E	East
Fe	Effective Force (P.T.)
ELEC	Electrical
EL	Elevation
ELEV	Elevator
EQ	Equal
EXP	Expansion
EJ or EXP JT	Expansion Joint
EXT	Extend or Exterior
FF	Far Face
FV	Field Verify
FLG	Flange
FLR	Floor
FT	Foot
FTG	Footing
FOUND or FDN	Foundation
GALV	Galvanized
GA	Gauge
GC	General Contractor
GL or GLU-LAM	Glue Laminated Wood
H	H Shaped Column
HP	High Point
HS	Headed Stud(s)
HSS	Hollow Structural Shape
HK	Hook
HORIZ	Horizontal
IN	Inch
INFO	Information
ID	Inside Diameter
IF	Inside Face
INSUL	Insulation
INT	Interior
JT	Joint
JST(s)	Joist(s)
K	Kips
KIP	1 Kip = 1,000 lbs
KPT	Kips per Foot
KSF	Kips per Square Foot
KSI	Kips per Square Inch
LW	Light Weight
LTL	Lintel
LL	Live Load
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LP	Low Point
LSH	Long Side Horizontal
LSL	Laminated Strand Lumber
LSV	Long Side Vertical
LVL	Laminated Veneer Lumber
MFG	Manufacturer / Manufacturing
MAS	Masonry
MO	Masonry Opening
MAT	Material
MAX	Maximum
MECH	Mechanical
MBR	Member
MEZZ	Mezzanine
MIN	Minimum
MISC	Miscellaneous
MC	Miscellaneous Channel
M	Moment
MPH	Miles per Hour
NF	Near Face
N	North
N-S	North - South
NOM	Nominal
NTS	Not To Scale
NO or #	Number
OC	On Center
OPNG or OPG	Opening
OPP	Opposite
OD	Outside Diameter
OF	Outside Face
/	Per
PCF	Pounds per Cubic Foot
PLK	Plank
PL	Plate
PT	Post Tension(ing)
#	Pound
PSF	Pound per Square Foot
PSI	Pound per Square Inch
PSL	Parallel Strand Lumber
PC	Precast
RFG	Reinforcing
REINF	Reinforcing or Reinforce
REBAR	Reinforcing Bar
REQ'D	Required
REV	Reverse
RD	Roof Drain
SCHED or SCH	Schedule
SEC	Section
V	Shear
SHT	Sheet
SIM	Similar
SOG	Slab on Grade
S	South
SPS	Spaces
SPEC	Specification
SQ	Square
STAGG	Stagger
STD	Standard
STL	Steel
STRUCT or STR	Structure
SUPP	Support
TEMP	Temporary or Temperature
THRU	Through
T/___ or TOP/___	Top of _____
T&B	Top and Bottom
TOB	Top of Beam
TOF	Top of Footing
TOS	Top of Slab
TYP	Typical
UN	Unless Noted
UNO	Unless Noted Otherwise
VER	Verify
VERT	Vertical
VIF	Verify in Field
WWF	Welded Wire Fabric
W	West or Wide Flange
WND	Window
W/	With
W/O	Without
WD	Wood

STRUCTURAL SYMBOLS

DIMENSIONAL LUMBER

WOOD BLOCKING

FINISH WOOD

STEEL OR METAL

CONCRETE BLOCK - HOLLOW OR SOLID

FACE OR COMMON BRICK

RIGID INSULATION

BATT OR BLANKET INSULATION

PLYWOOD

EARTH, FILL OR BACKFILL

SAND OR GROUT

CONCRETE

STONE

BP1 — BEARING PLATE MARK - SEE SCHEDULE

C1 — COLUMN MARK - SEE SCHEDULE

XXX PLF — DESIGN DIAPHRAGM SHEAR FORCE TO BE RESISTED BY PRECAST WALL PANEL OR COLD-FORMED STEEL STUD SHEAR WALL. SEE PLAN NOTES FOR LOAD TYPE.

EP1 — EMBED PLATE MARK - SEE SCHEDULE

CF4-0 — FOOTING MARK FOR COLUMNS - SEE SCHEDULE

WF2-0 — FOOTING MARK FOR WALLS - SEE SCHEDULE

1 — KEY NOTES - SPECIFIC NOTES KEYED TO AN ELEMENT OR AREA, SEE SCHEDULE

L1 — LINTEL MARK - SEE SCHEDULE

P1 — PIER MARK - SEE SCHEDULE

PC1 — PILE CAP MARK - SEE SCHEDULE

1 — REVISION MARK - INDICATES A CHANGE AFTER CONTRACT DOCUMENT ISSUE

SW1 — SHEAR WALL MARK - SEE SCHEDULE

SR1 — STUD RAIL MARK - SEE SCHEDULE

W1 — WALL REINFORCING MARK - SEE SCHEDULE

ELEVATION CHANGE

A — GRID BUBBLE

X / XXX — SECTION NUMBER / DRAWING NUMBER WHERE SECTION IS FOUND

X / XXX — DETAIL NUMBER / DRAWING NUMBER WHERE DETAIL IS FOUND

X / XXX — ELEVATION NUMBER / DRAWING NUMBER WHERE ELEVATION IS FOUND

MATCH LINE

EXISTING BUILDING LINE

HIDDEN EXISTING BUILDING LINE

BREAK LINE

DIRECTION OF SLOPE

STEEL BEAM SPLICE

STEEL BEAM CONTINUOUS OVER SUPPORT

MOMENT CONNECTION FOR STEEL BEAMS

LOCATION OF BEAM BRACE

SPAN OF STRUCTURAL ELEMENT

SLAB REINFORCING - TOP BARS

SLAB REINFORCING - BOTTOM BARS

DIMENSION LINES

MATERIAL LIMIT LINES

MATERIAL NOT INCLUDED IN LIMIT LINES

S — FOOTING STEP

STRUCTURAL NOTES

STRUCTURAL NOTES
These notes are provided for typical conditions. See plans and details for specific requirements in other areas.

EXISTING CONDITIONS
Verify all dimensions, elevations, and detail of existing structure where they affect this construction.
Notify engineer if there are any deviations from the contract documents.
Obtain prior approval from Structural Engineer before cutting openings or recesses or making other modifications to existing structure not shown on structural drawings.

COORDINATION – ARCHITECTURAL, MECHANICAL AND ELECTRICAL ITEMS
Verify all depressions, dimensions, elevations, openings, equipment supports, and details and coordinate by reference to architectural, mechanical and electrical drawings.

OPENINGS
Verify size and location of all openings with architectural, mechanical and electrical drawings. Structural drawings do not necessarily show all openings.
Place openings in floor and roof not shown on structural drawings between structural members. Notify Structural Engineer before openings larger than 12" in any dimension are added.
Obtain prior approval from Structural Engineer before making any openings through structural members if the openings are not shown on the structural drawings.

DESIGN CODES AND STANDARDS
International Building Code (2012) - As amended by the Minnesota State Building Code (2015)
American Concrete Institute (ACI) 318-11 - Building Code Requirements for Structural Concrete
American Concrete Institute (ACI) 530-11 - Building Code Requirements for Masonry Structures
American Institute of Steel Construction (AISC) 360-10 - Specification for Structural Steel Buildings
American Institute of Steel Construction (AISC) - Steel Construction Manual - Fourteenth Edition
American Welding Society - Structural Welding Code - Steel (2010) as modified by AISC Specifications
American Forest and Paper Association - National Design Specification for Wood Construction - 2012 Edition

DESIGN STRESSES
Reinforcing Steel (Fy)
60,000 psi (A615, Grade 60)
Post Tensioning Strand (Fpu)
270,000 psi (A416, Grade 270 low-relaxation)
Concrete (f'c) (28 day compressive strength)
4,500 psi for exterior concrete
4,000 psi unless noted
4,000 psi for interior slab on grade
3,000 psi for footings
2,000 psi (pre-mixed grout) for masonry cores, lintels, and bond beams
Masonry (28 day compressive strength)
1,500 psi priism strength (f'm) unless noted
2,000 psi grout strength
Structural Steel (Fy)
50,000 psi (A992 or A572 Grade 50) for W shapes
36,000 psi (A36) for bars, plates, angles and other shapes
50,000 psi (A500, Grade C) for rectangular structural tubing
35,000 psi (A53, Type E or S, Grade B) for pipes
Wood (Base Design Values subject to modification per 2012 NDS)
Spruce-Pine-Fir No. 2 for 2x6 Studs
Bending: 875 psi
Compression (parallel to grain): 1,150 psi
Shear: 135 psi
E: 1,400,000 psi
Southern Pine No. 2 & Better for Treated Lumber
Bending: 1,500 psi (2x4), 1,250 (2x6)
Compression (perpendicular to grain): 565 psi
Shear: 175 psi
E: 1,600,000 psi
Hem Fir No. 2 for Joists and Beams
Bending: 850 psi
Compression (parallel to grain): 1,300 psi
Shear: 150 psi
E: 1,300,000 psi
Laminated Veneer Lumber (LVL)
Bending: 2,600 psi
Shear: 285 psi
Compression (parallel to grain): 2,510 psi
E: 1,900,000 psi
2.0E Parallel Strand Lumber for beams (PSL)
Bending: 2,900 psi
Shear: 290 psi
Compression (parallel to grain): 2,900 psi
E: 2,000,000 psi
1.8E Parallel Strand Lumber for columns (PSL)
Bending: 2,400 psi
Shear: 190 psi
Compression (parallel to grain): 2,500 psi
E: 1,800,000 psi
1.3E Laminated Strand Lumber for columns and plates (LSL)
Bending: 1,700 psi (columns); 1,800 psi (plates)
Shear: 400 psi (columns); 150 psi (plates)
Compression (parallel to grain): 1,400 psi
E: 1,300,000 psi
Glued - Laminated Timber:Douglas Fir - Larch = 24 F- E/ES1
Bending: 1700 psi
Shear: 200 psi
Compression (parallel to grain): 560 psi
E: 1700000 psi

DESIGN LOADS
Roof Loads
Roof Dead Load: 15 psf superimposed. Use 10 psf for roof uplift calculation.
Roof Snow Load Parameters
Ground Snow Load = 50 psf
Exposure Factor (Ce) = 1.0
Occupancy Importance Factor = 1.1
Thermal Factor (Ct) = 1.0
Snow Drift Loads: In accordance with ASCE 7-10 Chapter 7.
Components and Cladding Wind Uplift (ultimate)
Interior Zones = xxx psf
Edge Zones = xxx psf (within __'-__" of edge, away from corner)
Corner Zones = xxx psf (within __'-__" of corner)
Overhangs = xxx psf
Floor Live Loads
Stairs and Corridors 100 psf
Public Areas 100 psf
Stair Treads 300 # concentrated load
Wind Loads
ASCE 7-10 Directional Procedure Parameters
Exposure B
Ultimate design wind speed 120 MPH (3 second gust)
Nominal design wind speed 90 MPH
Wind Directionality Factor (Kd) 0.85
Risk Category III
Topographic Factor (Kzt) 1.0

Seismic Loads
Seismic design not required per MSBC 1305.0011 Subparagraph 4

TEMPORARY BRACING
This structure is a non-self-supporting wood frame that requires interaction with slabs, floor sheathing, and wood shear walls to provide the required lateral stability. Provide required temporary bracing until permanent bracing, floors, and walls are in place. This structure contains a non-self-support steel frame that requires interaction with slabs, floor decking/trusses and masonry or concrete walls to provide the required lateral stability. Provide required temporary bracing for structural steel until permanent bracing, slabs, plywood decking and walls are in place.
Provide temporary bracing for all walls (concrete, masonry, cold formed steel, or wood) until they are of adequate design strength and are properly anchored in final form.

GEOTECHNICAL INFORMATION
The foundation design is based on the recommendations contained in Geotechnical Report number 16-0185 prepared by Haugo GeoTechnical Services . Allowable foundation pressures are to be verified in field by a licensed professional geotechnical engineer. Foundation design parameters are as follows:
Net soil bearing capacity
Strip footings: 2000 psf
Spread footings: 2000 psf
Lateral Soil Pressure (equivalent fluid pressure)
Lateral pressure on foundation walls: xxx psf/ft
Lateral pressure on cantilever retaining walls: xxx psf/ft
Passive soil pressure: xxx psf/ft
Coefficient of friction:

BACKFILLING
Backfill and materials behind foundation and retaining walls shall be as outlined in the Geotechnical Report.
Do not backfill or compact earth against walls retaining earth until supporting slabs have reached 75% of their design strength or adequate bracing is in place.
Provide bracing designed and certified by an Engineer licensed in the state in which the project is located. Submit design and calculations to Structural Engineer for review only.
Backfill evenly on both sides of foundation walls to prevent overturning or lateral wall movement.

SHORING
Provide temporary shoring for existing construction until new construction is in place and properly anchored in final form.
Shoring loads for existing structure are shown in the documents. Shoring shall be designed and certified by an Engineer licensed in the state in which the project is located.

CONCRETE REINFORCING GENERAL
Provide standard hooks where hook lengths are not specified.
See sheet xxx for required reinforcing splice lengths.
Provide epoxy coated reinforcing for all concrete exposed to weather such as retaining walls, and exterior walls, piers, columns, slabs, and paving. Epoxy coated reinforcing is not required for building foundation walls unless specifically noted.
Support slab reinforcing for its entire length and independent of beam steel.

Soft metric bar sizes vs. inch-pound (U.S. System of Measures) bar size table. BKBM drawings reflect the U.S. System of Measure.

Inch-Pound Bar Size Designation	Soft Metric Bar Size Designation
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36
#14	#43
#18	#57

CONCRETE COVER ON REINFORCING
Footings: 3" clear bottom and sides
2" clear top
Walls: 1-1/2" clear outside face and surfaces exposed to earth or weather (2" for #6 bars or larger) 3/4" clear inside face
Masonry Walls & Columns: centered in cell
1/2" from inside face of cell if not centered

FOOTINGS
For wall footings, provide 32 bar dia. lap at reinforcing splices and full crossing lap at intersections.
Unless otherwise noted, center wall footings under walls and column footings under columns.
Footing elevations shown on plan are to top of footing (TOF).
Hook wall and column dowels at 3" clear bottom of footing.

CONCRETE SLABS ON GRADE
See details _____ for control/construction joints.
If control joints are not shown on plan, place control/construction joints at columns and provide additional joints to meet the spacings indicated below:
Exterior slabs, 10'-0" oc maximum
Interior slabs, 12'-0" oc maximum
"L" shaped panels and rectangular panels (with length to width ratio greater than 1.5) are not allowed.
All control/construction joints must be continuous and not staggered or offset.

POURED CONCRETE WALLS
See detail _____ for horizontal reinforcing at intersecting walls.
Provide #4 x 4'-0" (2'-0" each leg) corner bars at 12" oc horizontal reinforcing at outside corner of walls. Provide 3 - #4 vertical support bars.
All openings 12" or larger, in walls shall have:
1 - #4 x 4'-0" each face diagonal at each corner
1 - #5 each face, each side of opening, extend 2'-0" beyond opening
Wall reinforcing is continuous through columns, unless detailed otherwise.
See detail _____ for typical vertical control/construction joints.

CONCRETE TOPPING
Unless otherwise noted, provide synthetic macro fiber reinforcing (minimum 4 pounds per cubic yard) in all concrete topping slabs.

NON-BEARING WALLS
Provide thickened slab below non-bearing masonry walls. See section .

REINFORCED CONCRETE BLOCK WALLS
When one bar is required in a single core, place in center, unless noted otherwise. When two bars are required in a single core, place one near each face.
See sheet xxx for required vertical reinforcing splice lengths.
Lap vertical reinforcing 72 bar diameters at splices.
Lap horizontal bond beam reinforcing 48 bar diameters at splices. See detail ___ for corner bars.
Extend vertical reinforcing from footings to 2" clear top of wall or to beam bearing for reinforcing below beams.
Fill block core at vertical reinforcing (8" minimum length along wall) with concrete or grout. Vibrate in place. Rodding and puddling are not allowed
Maximum grout pour height is 4'-0" for plain masonry units or ### feet for open core block. Provide cleanouts if pour height exceeds 5'-4". Maximum grout lift height within a grout pour is 5'-4". See Specification 042731 for grouting requirements if plain shapes are being used.
Provide horizontal joint reinforcing at 16"oc.

LOOSE ANGLE BRICK LINTELS
Bear Lintel a minimum of 8" each side of opening. Locate vertical leg tight against back face of brick.
Provide minimum lintels as follows:
Spans up to 4'-0" L4x3-1/2x3/8 (LLV)
Spans 4'-0" to 8'-0" L6x3-1/2x3/8 (LLV)
Provide longer horizontal leg, if needed, to extend to between 1/2" and 1" clear outside face of brick.

STRUCTURAL STEEL CONNECTIONS
Typically, provide welded or bolted shop connections and bolted field connections. Typical bolts are 3/4" Ø A325-N bolts in standard or short slotted holes.

PRE-FABRICATED STRUCTURAL WOOD
Provide manufacturer's recommended lumber for wood trusses or joists.
Design roof trusses or joists for the following superimposed loads:
Top chord dead load of 17 psf
Top chord live load of 10 psf
Top chord snow load of 38.5 psf
Bottom chord live load of 5 psf
Bottom chord dead load of 8 psf.
Limit live load deflection of roof framing to L/360.
Limit live load deflection of floor framing to L/480.
Provide roof truss bridging as required by manufacturer. See detail _____ for permanent truss bracing. Provide necessary temporary bracing to maintain truss stability during erection.
Provide design of metal plate connected wood trusses, plywood web joists, open web wood joists, and connections prepared by an Engineer licensed in the state in which the project is located. Indicate design loadings on shop drawings.
Submit complete shop drawings to Architect/Engineer for review, showing the erection plan, bearing conditions, and anchorage details.

DIMENSION LUMBER
All member sizes given on drawings are nominal dimen-sions.
Provide joist bridging at 8'-0" maximum oc.
Provide 3" minimum bearing each end for wood lintels and headers.
Double all joists under parallel partitions.
Frame all beams and joists not bearing on supporting members with joist hangers. Joist hangers shown are Simpson Strong-Tie Products. Alternative products shall have equal or greater capacity. Submit manufacturer's information with shop drawings.
Bear wood joists the full width of supporting members (stud walls, beams, etc.) unless otherwise noted.
Fasten wood beams made of 2 or more 2" x's with 3/8" diameter through bolts at 2'-0" oc or equivalent nails.
Fasten wood beams made of 2 or more 2"x's with 3 rows of 0.131"x3" nails at 12"oc, each ply. See detail _/S___ for fastening of LVL beams.
Fasten wood posts and jambs made of 2 or more 2"x's with 0.131"x3" nails at 8"oc, each ply.
Attach sill plates to precast plank, grouted masonry, and concrete with 1/2" diameter screw anchors at 6'-0" oc maximum. Extend 6" min into grouted masonry or concrete and 2" min into precast plank.
Attach sill plates to floor slab with Hilti X-U57 fasteners with ¼" maximum embedment at the following spacing:
Typical interior walls: 2'-8" oc
Typical exterior walls: 2'-0" oc
Each sill plate is to have a minimum of 2 bolts with one bolt located within 12" of each end of each piece.
Nail in accordance with IBC Table 2304.9.1 unless noted otherwise on details.
Provide galvanized or stainless steel fasteners in contact with treated lumber.
Provide galvanized steel fasteners for use with galvanized steel hangers/connectors and provide stainless steel fasteners for use with stainless steel hangers/connectors.
Provide allowance in studs and sheathing as required for plumbing pipes, etc. due to overall wood shrinkage above each level as follows:
1st Level above plank/slab: Up to 1/8"
See _/_ for allowable holes or notches in wood studs.
See _/_ for allowable holes or notches in dimension lumber joists

GLUED LAMINATED TIMBER
Beam reactions are noted on plan where connections are required.
Provide design of glued laminated beams and beam connections not detailed on structural drawings prepared by an Engineer licensed in the state in which the project is located. Indicate design loadings used on the shop drawings.
Submit complete shop drawings to Architect/Engineer for review, showing erection plan, bearing conditions, and anchorage details.

SHEET INDEX

S100	TITLE SHEET
S201	FOUNDATION, ROOF AND PARTIAL FRAMING PLANS
S301	SECTIONS AND DETAILS
S310	SECTIONS AND DETAILS
S401	SCHEDULES

REQUIRED STRUCTURAL SPECIAL INSPECTIONS

IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1704 OF THE INTERNATIONAL BUILDING CODE. SEE SPECIFICATION SECTION 014533 AND MATERIAL SPECIFICATION SECTIONS FOR SPECIFIC REQUIREMENTS. CONSTRUCTION NOT ASSOCIATED WITH THE STRUCTURAL SYSTEM MAY REQUIRE SPECIAL INSPECTION BUT IS NOT LISTED HERE:

ITEM	REQUIRED?	REMARKS
1. Soils compliance prior to foundation construction	YES	Reference IBC 1705.6
2. Column footings	NO	Building is 3 stories or less in height
3. Wall footings	NO	Footing and pier concrete designed for f'c 2500 psi. Building is 3 stories or less in height
4. Structural concrete	YES	Reference IBC table 1705.3 and MSBC 1305.1705
5. Reinforcing steel	YES	Reference IBC table 1705.3
6. Bolts installed in concrete	YES	Reference IBC table 1705.3
7. Expansion/adhesive anchors	YES	
8. Structural steel fabrication	YES	May be omitted if fabricator is AISC certified. Reference IBC 1705.2 and AISC 360 Chapter N
9. Structural welding and high strength bolting	YES	Reference IBC 1705.2.1 and AISC 360 Chapter N
10. Steel decking	YES	Reference IBC table 1705.2.2
11. Structural masonry	YES	Reference IBC 1705.4, TMS 402/602, and MSBC 1305.1705
12. Wood trusses	NO	Reference IBC 1705.5. Fabricator shall be a licensee of the Truss Plate Institute Quality Assurance Program. Submit certificate of compliance to the Building Official in accordance with IBC 1704.2.5.2.
13. Precast concrete	NO	Precast manufacturing plant shall be certified by the PCI Plant Certification Program Categories C3A and C4A. Submit certificate of compliance to the building official in accordance with IBC 1704.2.5.2.

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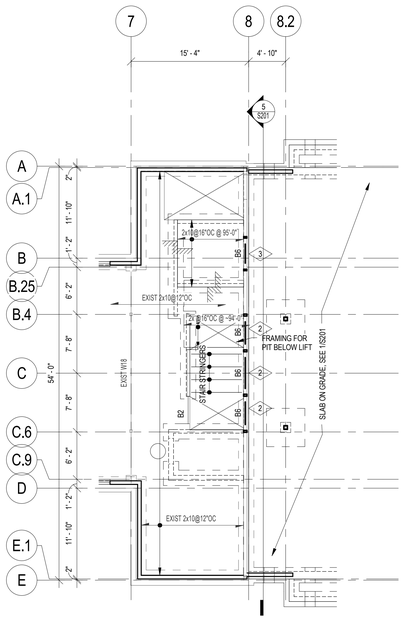
PRELIMINARY
NOT FOR CONSTRUCTION

No.	Description	Date

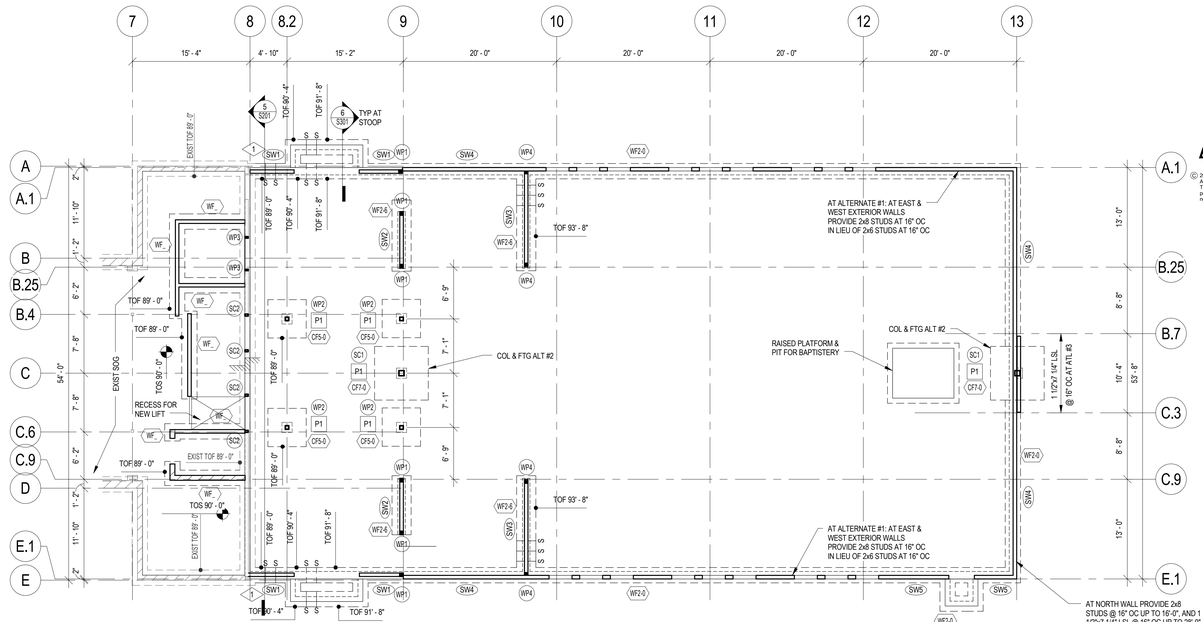
NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
03/15/2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
S100
TITLE SHEET



2 EXISTING MAIN LEVEL FRAMING PLAN

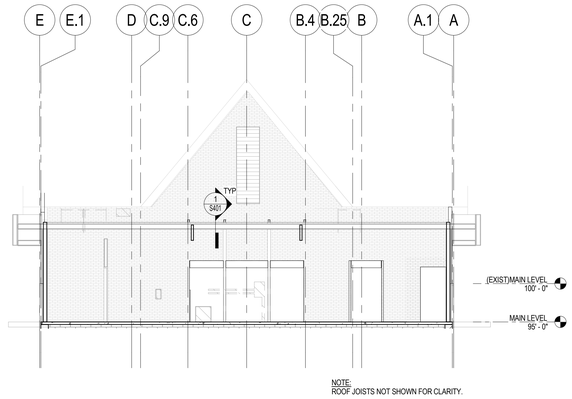
UNLESS NOTED OTHERWISE:
1. SEE SHEET S100 FOR STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
2. SEE SHEET S401 FOR SCHEDULES.
3. TYPICAL INTERIOR WALLS ARE 2x4@ 16"OC.
4. NON-TYPICAL WALLS ARE NOTED ON PLAN THUS: WOOD WALL — (W1.6/12) — STUD SPACING IN INCHES; WIDTH OF 2x STUD
5. FLOOR SHEATHING SHALL BE 23/32" PLYWOOD OR OSB (48/24 SPAN RATING). SEE STRUCTURAL NOTES FOR NAILING REQUIREMENTS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS AND PARTITION WALLS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.



1 FOOTING AND FOUNDATION PLAN

UNLESS NOTED OTHERWISE:
1. SEE SHEET S100 FOR STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
2. SEE SHEET S301 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
3. SEE SHEET S401 FOR SCHEDULES.
4. PROVIDE 4" SLAB ON GRADE W/MICRO FIBER REINFORCING (MINIMUM 1.5 POUNDS PER CUBIC YARD).
5. TOP OF SLAB ELEVATION = 95'-0".
6. TOP OF EXTERIOR FOOTING ELEVATION (TOF) AT WALL AND COLUMNS = 92'-4".
7. TOP OF INTERIOR FOOTING ELEVATION (TOF) AT WALL AND COLUMNS = 94'-4".
8. PROVIDE SLEEVES FOR ALL PIPES THAT INTERSECT BUILDING FOUNDATIONS. STEP OR THICKEN FOOTINGS AS SHOWN IN SECTION 1/S301 AND DETAIL 2&3/S301. COORDINATE LOCATIONS AND ELEVATIONS WITH CIVIL AND MECHANICAL.
9. TOP OF PIER ELEVATION = 94'-4".
10. PROVIDE #5@ 48"OC VERTICALS CENTERED IN MASONRY WALLS.
11. PROVIDE DOWELS TO MATCH MASONRY WALL REINFORCING SIZE AND SPACING, HOOK AT BOTTOM OF FOOTING. PROJECT 30".
12. PLACE FIRST BAR 1/2 TYPICAL SPACING FROM EDGE OF PIERS.
13. FOOTINGS FOR WALLS NOT NOTED SHALL BE 12" THICK WITH A MINIMUM PROJECTION OF 4" EACH SIDE. REINFORCE WITH 2-#5 CONTINUOUS. ADD 1-#5 CONTINUOUS FOR EACH 6" WIDTH OVER 24".
14. SEE SHEET _____ FOR DOWELS FROM FOOTING TO COLUMN.
15. PLACE ALL STOOP SLABS ON MINIMUM 4'-0" DEPTH OF CLEAN GRANULAR FILL MATERIAL.
16. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, SLAB SLOPES, STEPPED SLABS AND PARTITION WALLS.
17. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.
18. WALL SHEATHING AT EXTERIOR WALLS IS 19/32" PLYWOOD OR 19/32" OSB. SEE STRUCTURAL NOTES FOR NAILING REQUIREMENTS.
19. EXTENT OF SHEAR WALLS IS LIMITED TO SOLID WALL SECTION BETWEEN OPENINGS UNLESS OTHERWISE INDICATED WITH EXTENT ARROWS.
20. SEE DETAILS ____/____ FOR TYPICAL FRAMING AT EXTERIOR OPENINGS.

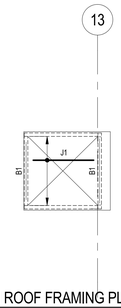
AT NORTH WALL PROVIDE 2x8 STUDS @ 16" OC UP TO 16'-0", AND 1 1/2"x7 1/4" LSL @ 16" OC UP TO 28'-0". EXTEND STUDS CONTINUOUSLY FROM FOUNDATION TO BOTTOM OF ROOF TRUSS.



NOTE:
ROOF JOISTS NOT SHOWN FOR CLARITY.

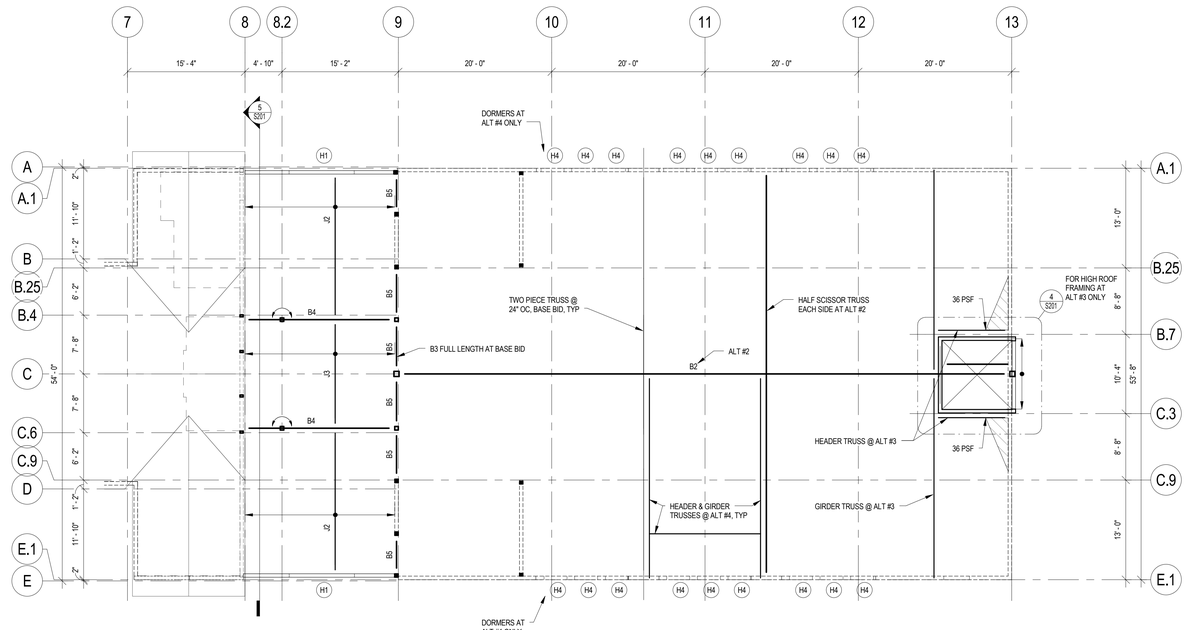
5 SECTION

KEYNOTES	
1	STEP TOP OF FOOTING AS REQUIRED TO MATCH EXISTING TOP OF FOOTING ELEVATION. DRILL AND ADHESIVE ANCHOR 3-#5x2'-6" DOWELS 6" INTO EXISITNG.
2	PROVIDE L5x3x3/8 CONT OVER OPENING BENEATH BRICK BEARING. BEAR LINTEL A MINUMUM OF 8" EACH SIDE. ATTACH TO STEEL COLUMN PER DETAIL 1/S401.
3	SEE SCHEDULE FOR LOOSE BRICK LINTELS.



4 HIGH ROOF FRAMING PLAN (ALT #3)

UNLESS NOTED OTHERWISE:
1. SEE 1/S204 FOR TYPICAL PLAN NOTES



3 ROOF FRAMING PLAN

UNLESS NOTED OTHERWISE:
1. SEE SHEET S100 FOR STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
2. SEE SHEET S401 FOR SCHEDULES.
3. ROOF SHEATHING SHALL BE 23/32" PLYWOOD OR OSB (48/24 SPAN RATING). SEE STRUCTURAL NOTES FOR NAILING REQUIREMENTS.
4. SEE DETAILS ____/____ FOR TYPICAL FRAMING AT EXTERIOR OPENINGS.
5. PROVIDE PERMANENT TRUSS BRACING AS FOLLOWS:
   USE 2x4's. SEE ____/____ FOR GENERIC PLAN AND SECTION.
   PROVIDE ____ ROWS OF BOTTOM CHORD STRUTS LOCATED ____.
   ____ LINES OF VERTICAL SWAY DIAGONAL BRACING.
   ____ LINES OF BOTTOM CHORD LATERAL DIAGONAL BRACING FROM SIDEWALL TO SIDEWALL AT SAME LOCATIONS AS VERTICAL SWAY BRACING.
6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS AND PARTITION WALLS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

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PRELIMINARY
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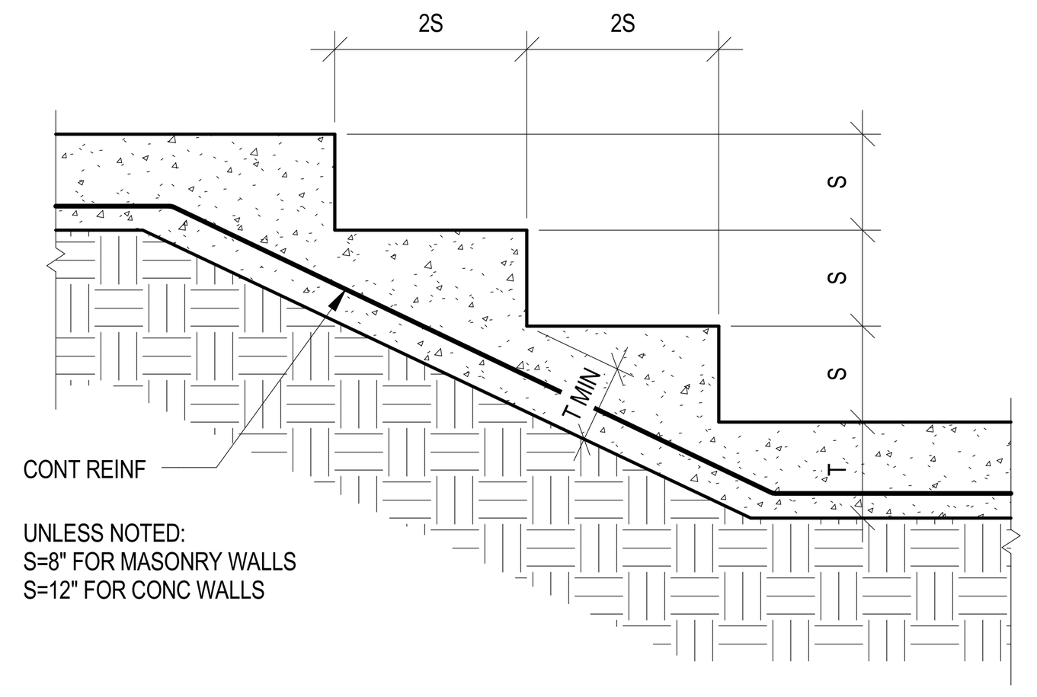
No.	Description	Date

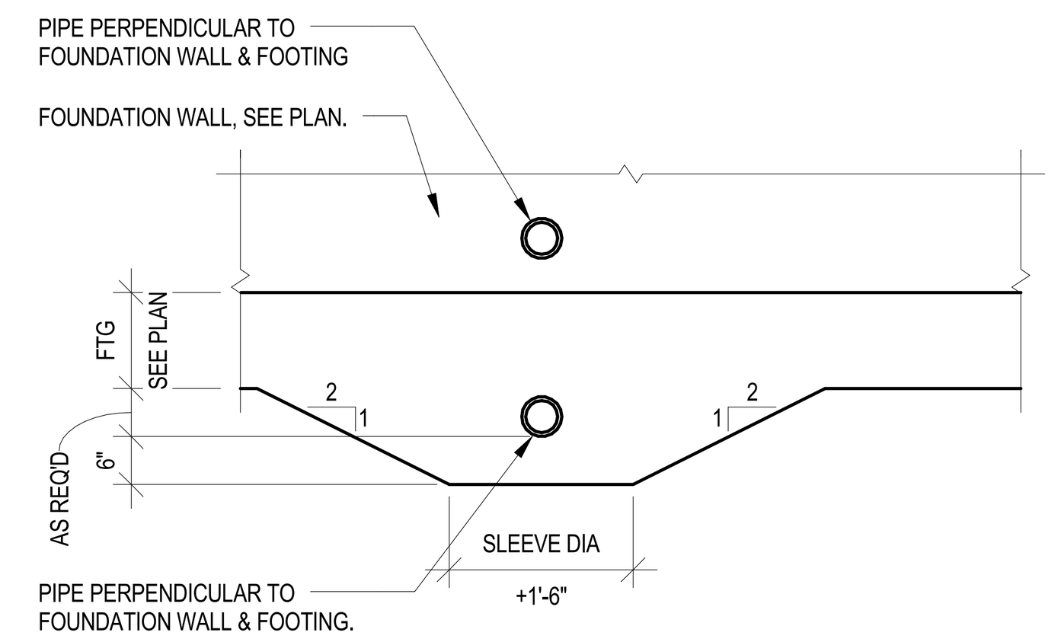
NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE 03/15/2017
PHASE DESIGN DEVELOPMENT
PROJECT JLG 15143
SHEET **S201**
FOUNDATION, ROOF AND PARTIAL FRAMING PLANS



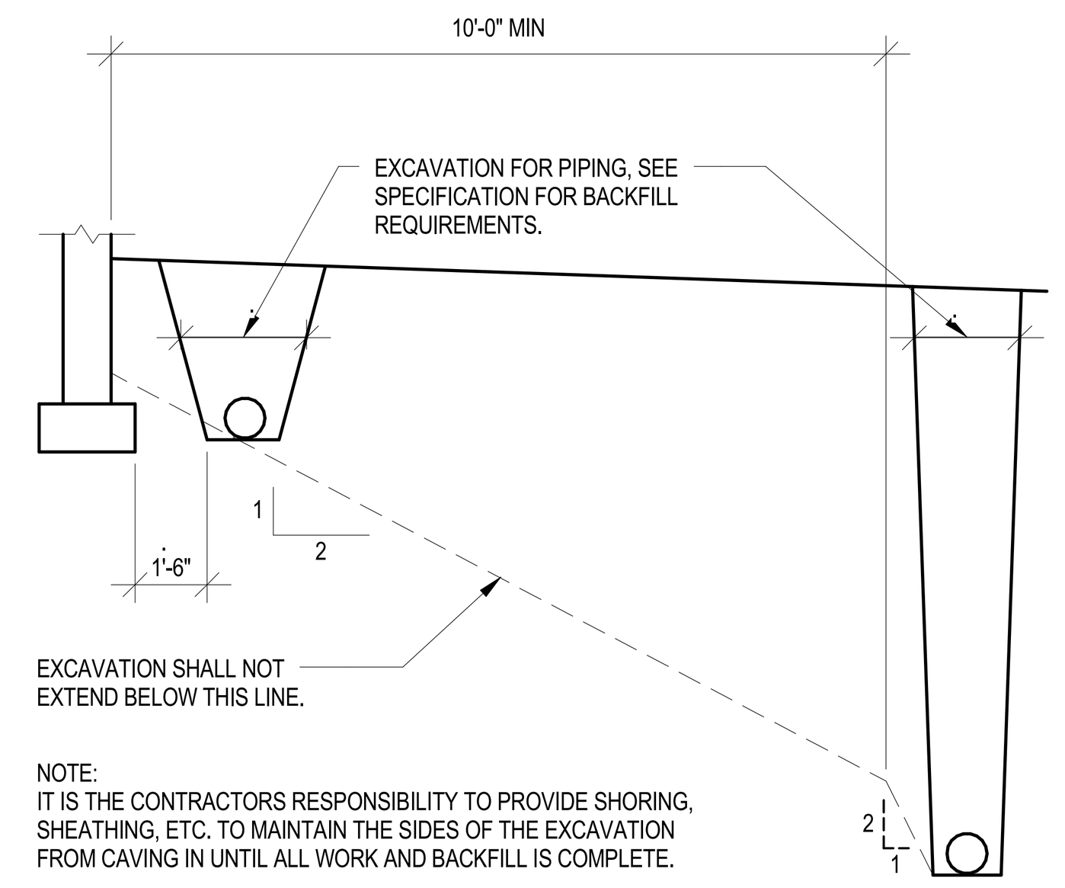
TYPICAL DETAIL FOR STEPPING FOOTING

1 SECTION



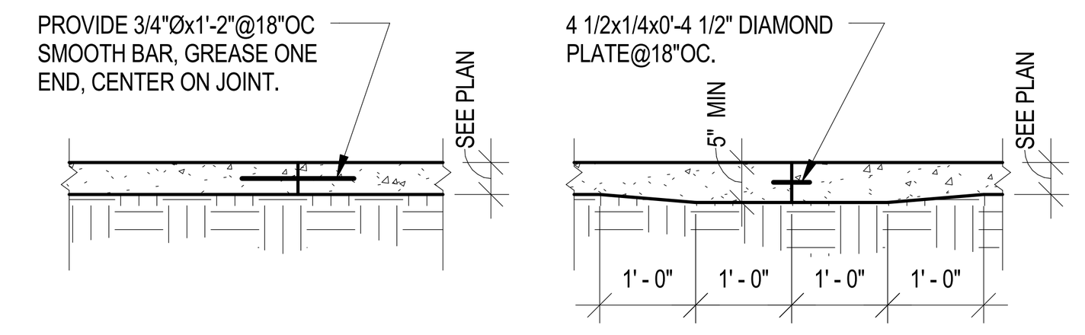
NOTES:
1. FOR PIPES BELOW FOOTING PROVIDE SLEEVE & THICKEN CONCRETE FOOTING AS SHOWN OR STEP FOOTING BELOW PIPE PER 3FTG001.
2. FOR PIPES WITHIN FOOTING DEPTH STEP FOOTING PER 3FTG001 SO PIPES PASS THROUGH WALL. PROVIDE SLEEVE & GROUT INTO WALL.
3. SLEEVE DIAMETER TO BE 2" GREATER THAN PIPE OUTSIDE DIAMETER.

2 DETAIL



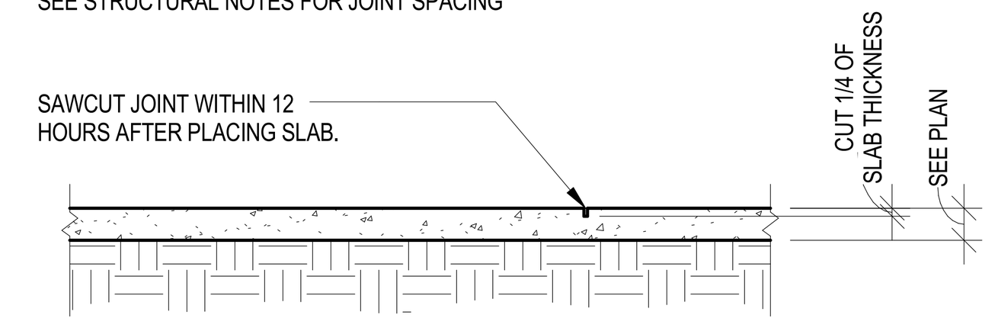
NOTE:
IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE SHORING, SHEATHING, ETC. TO MAINTAIN THE SIDES OF THE EXCAVATION FROM CAVING IN UNTIL ALL WORK AND BACKFILL IS COMPLETE.

3 DETAIL



TYPICAL CONSTRUCTION JOINT CONTRACTOR MAY CHOOSE METHOD

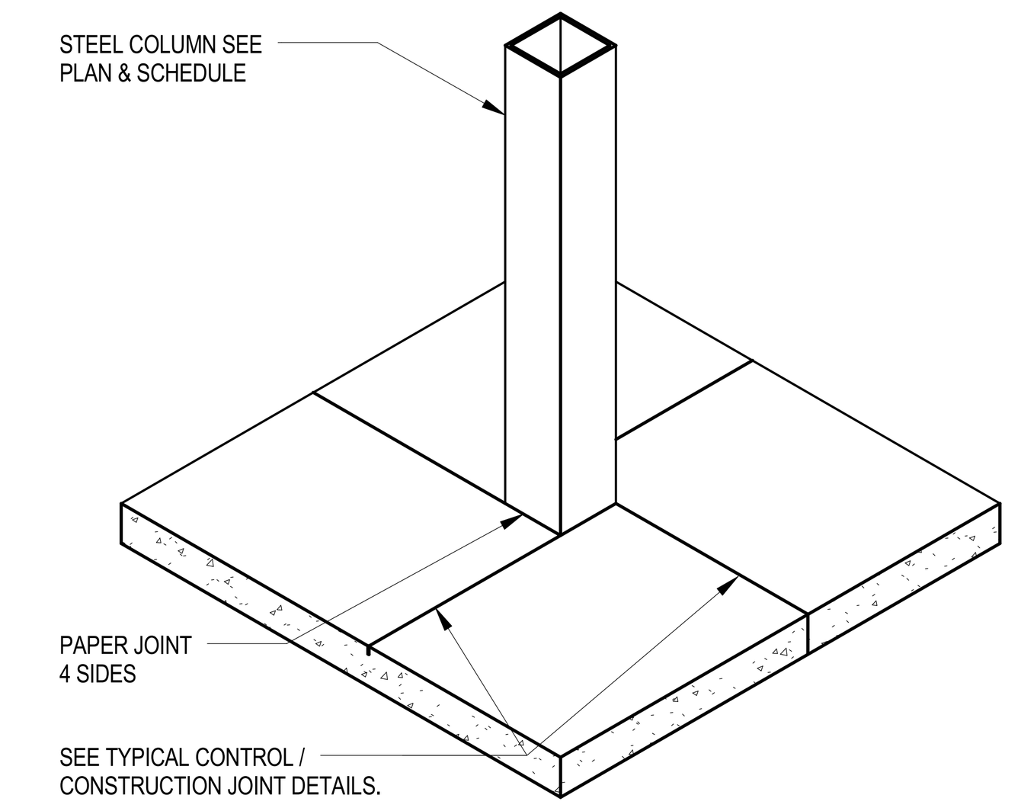
SEE STRUCTURAL NOTES FOR JOINT SPACING



TYPICAL CONTROL JOINT

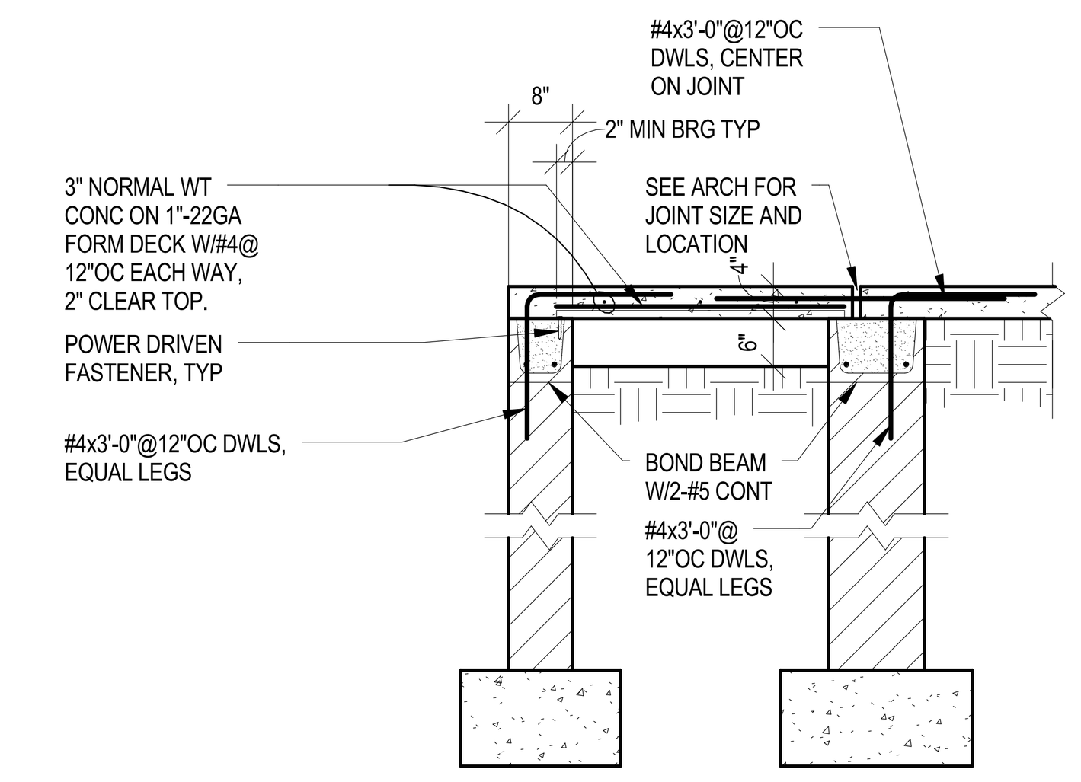
SEE STRUCTURAL NOTES FOR JOINT SPACING

4 DETAIL

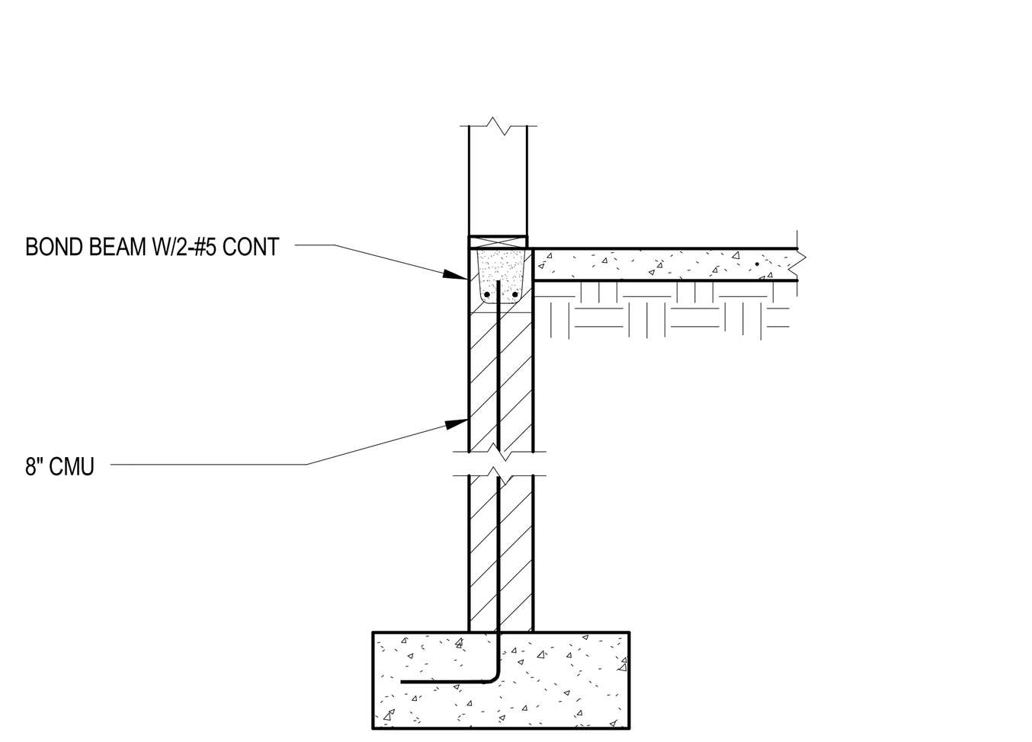


TYPICAL SLAB DETAIL AT STEEL TUBE COLUMN

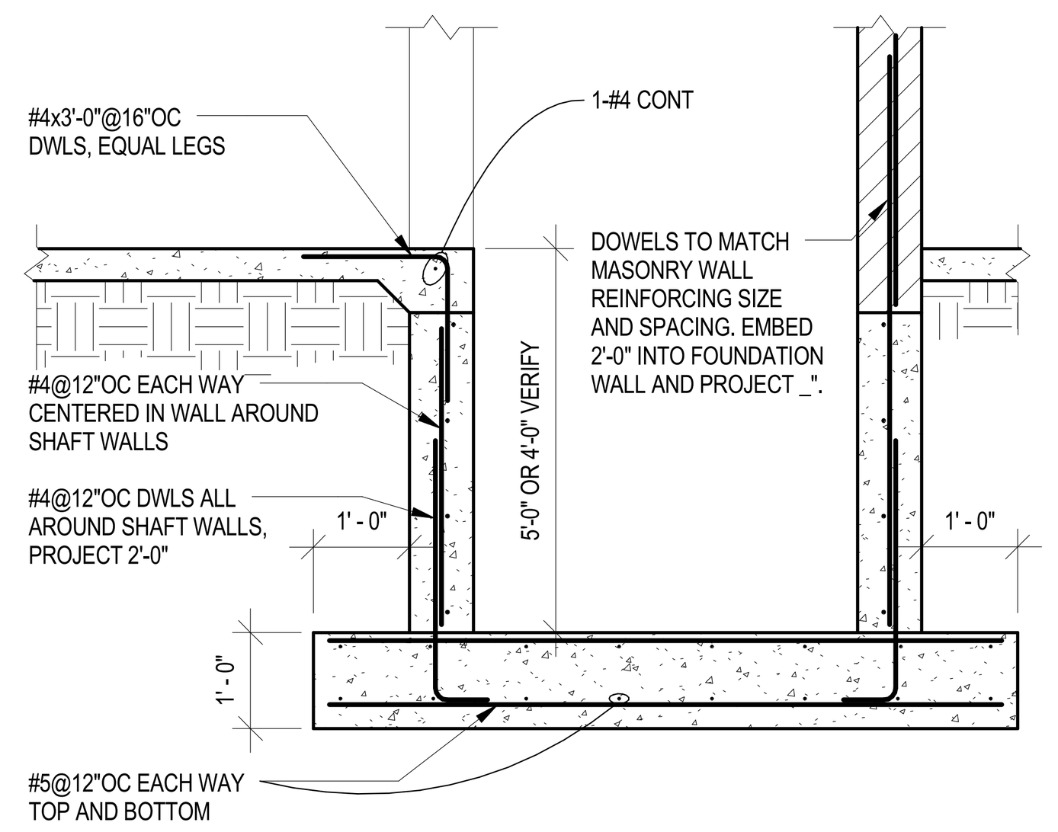
5 DETAIL



6 SECTION



7 SECTION



8 SECTION

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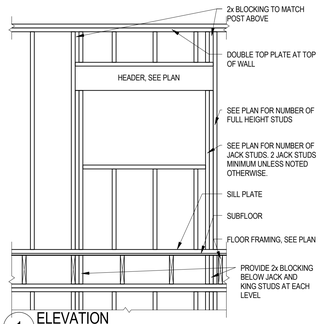
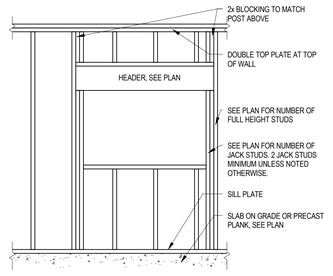
PROJECT
JLG 15143

SHEET
S301
SECTIONS AND DETAILS



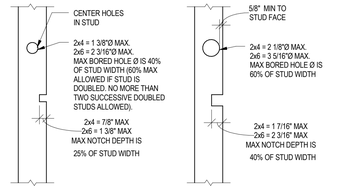
1 ELEVATION

TYPICAL OPENING IN STUD WALL



2 ELEVATION

TYPICAL OPENING IN STUD WALL ON SOG/PC PLANK



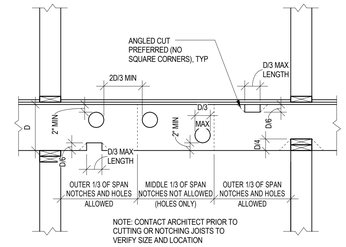
EXTERIOR OR BEARING WALL

NON-BEARING PARTITION WALL

TYPICAL NOTES FOR BEARING WALLS:

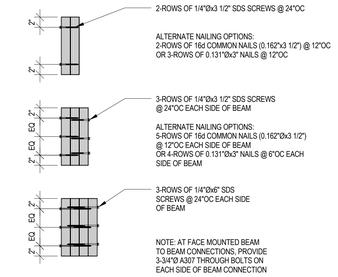
1. HOLES SHALL NOT BE LOCATED IN THE SAME STUD AS A CUT OR NOTCH.
2. CONTACT ARCHITECT PRIOR TO CUTTING OR NOTCHING IF HOLES GREATER THAN 20% STUD WIDTH OR NOTCHES GREATER THAN 10% STUD WIDTH ARE REQUIRED IN TWO OR MORE CONSECUTIVE STUDS.

3 DETAIL

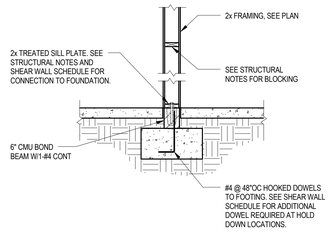


NOTE: CONTACT ARCHITECT PRIOR TO CUTTING OR NOTCHING JOISTS TO VERIFY SIZE AND LOCATION

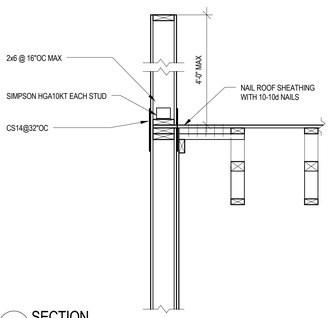
4 DETAIL



5 DETAIL - MULTI-PLY LVL



6 SECTION



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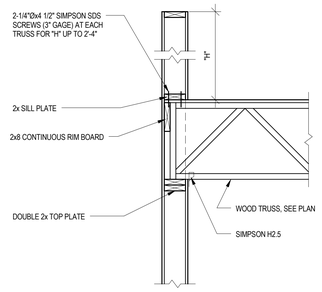

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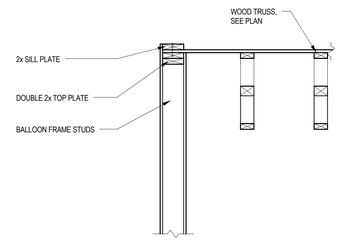
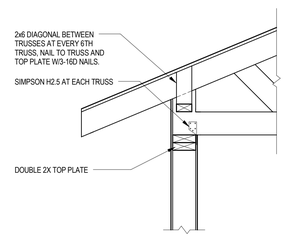
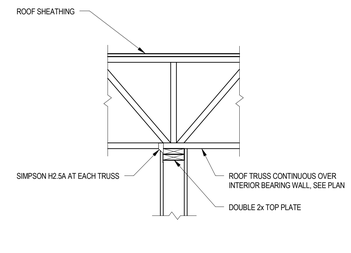


9 SECTION

EXTERIOR WALL TRUSS PARALLEL



10 SECTION



11 SECTION

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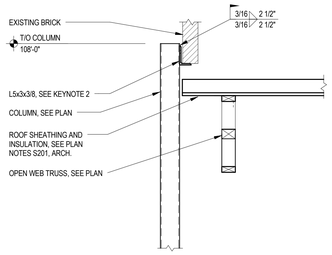
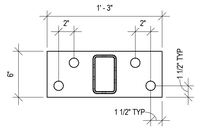
PROJECT
JLG 15143
SHEET
S310
SECTIONS AND DETAILS



1 SECTION



2 SECTION

WOOD POST SCHEDULE		
MARK	LEVEL 1	REMARKS
WP1	(4) 2x6	
WP2	7x7	PSL
WP3	(2) 2x6	
WP4	(3) 2x6	

UNLESS NOTED OTHERWISE:
1. POSTS SHALL BE CONTINUOUS TO THE LOWEST LEVEL OF WOOD FRAMING. PROVIDE BLOCKING AS REQUIRED AT FLOORS.
2. PROVIDE SOLID BLOCKING AT BEAM BEARING TO MATCH WIDTH OF WALL TO PROVIDE FULL BEARING FOR POST ABOVE WHERE BEAM WIDTH IS LESS THAN WALL WIDTH.
3. PROVIDE A MINIMUM OF 2 STUDS AT BEAM AND GIRDER TRUSS BEARING WHERE POST IS NOT INDICATED. MATCH WALL STUD SIZE.

WOOD BEAM SCHEDULE		
MARK	SIZE	REMARKS
B1	(2) 1 3/4"x16" LVL	
B2	12 1/4"x60" GLULAM GIRDER	MAY REQUIRE SPLICE. VERIFY MAX LENGTH WITH SUPPLIER.
B3	(3) 1 3/4"x11 3/4" LVL	
B4	(4) 1 3/4"x24" LVL	
B5	(3) 2"x10"	
B6	(3) 2"x12"	

UNLESS NOTED OTHERWISE:
1. EXTEND BEAM TO BEAR ON FULL WIDTH OF POST.
2. SEE ___ FOR TYPICAL MULTI-PLY BEAM FASTENING FOR LVL BEAMS. 6/WDB001

WOOD JOIST SCHEDULE		
MARK	SIZE	REMARKS
J1	2x12 @ 16" OC	
J2	18" OPEN WEB TRUSS @16"OC	
J3	16" OPEN WEB TRUSS @19.2"OC	

UNLESS NOTED OTHERWISE:
1. TRUSSES ARE TO BE CONTINUOUS OVER INTERIOR BEARING WALLS AND TERMINATE AT DEMISING WALLS, TYPICAL.

HEADER SCHEDULE				
		LEVEL 2		REMARKS
MARK	HEADER	JACK STUDS	KING STUDS	
H1	(2) 1 3/4x11 1/4	4	2	
H2	(2) 1 3/4x9 1/4	2	3	
H3	(3) 2x10	2	1	
H4	(2) 2x10	2	1	

UNLESS NOTED OTHERWISE:
1. SEE __/__ FOR TYPICAL WALL OPENING DETAIL.
2. PROVIDE SOLID VERTICAL BLOCKING AT ALL FLOORS AT ALL POST LOCATIONS.
3. BEAR HEADERS ON FULL WIDTH OF JACK STUDS.

WOOD SHEAR WALL SCHEDULE					
MARK	SHEATHING	ATTACHMENT AT PANEL EDGES	SILL PLATE CONNECTION	HOLD DOWN	REMARKS
SW1	1 LAYER 9/32" PLYWOOD OR OSB, BLOCKED	0.131"Ø 2 1/4" NAILS @4"OC	0.131"Ø 3" NAILS @4"OC	--	--
SW2	1 LAYER 9/32" PLYWOOD OR OSB, EACH FACE BLOCKED	8d COOLER NAILS @6"OC	0.131"Ø 3" NAILS @4"OC	--	--
SW3	1 LAYER 5/8" GYP, EACH FACE	6d COOLER NAILS @4"OC	0.131"Ø 3" NAILS @4"OC	--	--
SW4	1 LAYER 5/8" GYP	6d COOLER NAILS @7"OC	0.131"Ø 3" NAILS @6"OC	--	--
SW5	1 LAYER 5/8" GYP	6d COOLER NAILS @7"OC	0.131"Ø 3" NAILS @4"OC	--	--
SW6	--	--	--	--	--
SW7	--	--	--	--	--

UNLESS NOTED OTHERWISE:
1. SHEATHING TO BE CONTINUOUS FOR LENGTH OF SHEAR WALL. LAP SHEATHING ON SINGLE STUD. AT INTERSECTING WALLS, PROVIDE FLAT 2x MEMBER 2" WIDER THAN INTERSECTING WALL AND ATTACH SHEATHING TO FLAT 2x ON EACH SIDE OF INTERSECTING WALL.
2. PLYWOOD OR OSB TO BE APA RATED SHEATHING THAT CONFORMS TO PRODUCT STANDARD PS-1.
3. SEE __/__ FOR TYPICAL HOLD DOWN DETAIL TO PRECAST AT HOLD DOWN LOCATIONS INDICATED IN SCHEDULE.
4. SEE __/__ FOR TYPICAL HOLD DOWN DETAIL TO POST TENSIONED CONCRETE SLAB AT HOLD DOWN LOCATIONS INDICATED IN SCHEDULE.
5. SEE __/__ FOR TYPICAL HOLD DOWN DETAIL AT SLAB ON GRADE AREAS AT HOLD DOWN LOCATIONS INDICATED IN SCHEDULE.
6. SEE __/__ AND __/__ FOR TYPICAL HOLD DOWN DETAILS BETWEEN WOOD FLOORS AT HOLD DOWN LOCATIONS INDICATED IN SCHEDULE.
7. PROVIDE MINIMUM 2-2x STUDS AT EACH END OF SHEAR WALL PANEL. SEE SCHEDULE FOR HOLD DOWN REQUIRED AT EACH END OF SHEAR WALL.
8. PROVIDE 1/2"Ø SCREW ANCHOR WITHIN 6" OF SHEAR WALL END POST FOR SHEAR WALLS WITH NO HOLD DOWN. SEE STRUCTURAL NOTES ON S___ FOR REQUIRED SCREW ANCHOR EMBEDMENT.
9. PROVIDE RSP STRAP TIES ON EACH SIDE OF TOP AND BOTTOM SILL PLATES FOR BORED HOLE/NOTCH GREATER THAN 1 1/2" FOR 2x4 OR 2 1/2" FOR 2x6.
10. SEE __/__ AT OPENINGS IN SHEAR WALLS.
11. PROVIDE 1/4"Ø x7" SDS SCREWS @ 12"OC OR (3) 0.131Øx3" NAILS @ 6"OC BETWEEN STUDS AT LOCATIONS WHERE WALL STUD SIZE CHANGES.
12. AT GYPSUM SHEATHING, ATTACHMENT AT INTERMEDIATE STUDS IS EQUAL TO ATTACHMENT AT PANEL EDGES.
13. AT PLYWOOD OR OSB SHEATHING, ATTACHMENT AT INTERMEDIATE STUDS IS 12"OC.
14. AT PLYWOOD OR OSB SHEATHING LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL GYPSUM SHEATHING REQUIREMENTS TO ACHIEVE REQUIRED FIRE RATING.

WOOD BEARING WALL SCHEDULE									
	TYPICAL EXTERIOR WALL - WW1			WALL NOTED - WW2			TYPICAL INTERIOR BEARING WALLS - WW3		
FLOOR LEVEL	STUD SIZE AND SPACING	STUD GRADE	PLATE GRADE	STUD SIZE AND SPACING	STUD GRADE	PLATE GRADE	STUD SIZE AND SPACING	STUD GRADE	PLATE GRADE
2	2x6@__"OC	SPF NO. __	SPF NO. __	2x6@__"OC	SPF NO. __	SPF NO. __	2x6@__"OC	SPF NO. __	SPF NO. __
1	2x6@16"OC	SPF NO. 2	SPF NO. 2	2x6@16"OC	SPF NO. 2	SP NO. 2	2x6 LSL@16"OC	SPF NO. __	SP NO. 2

UNLESS NOTED OTHERWISE:
1. SEE SHEET ____ FOR WOOD GRADES WHERE GRADE IS NOT NOTED.
2. PROVIDE PRESSURE TREATED BOTTOM PLATES AT WALLS SUPPORTED ON CONCRETE OR MASONRY.

COLUMN FOOTING SCHEDULE				
	FOOTING SIZE			
MARK	WIDTH	LENGTH	THICKNESS	REINFORCING
CF5-0	5' - 0"	5' - 0"	1' - 0"	5-#5 EACH WAY, BOTTOM
CF7-0	7' - 0"	7' - 0"	1' - 4"	6-#6 EACH WAY, BOTTOM

CONTINUOUS WALL FOOTING SCHEDULE			
	FOOTING SIZE		
MARK	WIDTH	THICKNESS	REINFORCING
WF2-0	2' - 0"	1' - 0"	2-#5 CONT
WF2-6	2' - 6"	1' - 0"	2-#5 CONT

PIER SCHEDULE					
MARK	SIZE	CONC	MAS	REINFORCING	REMARKS
P1	16"x16"	X		4#8 VERT, W/3-#4TIES @12"OC	

UNLESS NOTED OTHERWISE:
1. PROVIDE HOOKED DOWELS TO MATCH VERTICAL REINFORCING.
2. SEE __/S__ FOR TYPICAL JAMB REINFORCING LAYOUT.
3. PROVIDE PIER TYPE P__ FOR BEAM BEARINGS AND OPENING JAMBS WHERE PIER IS NOT SHOWN. CONFIRM WITH ENGINEER PRIOR TO PLACEMENT.
4. REINFORCING SHOWN AT LOWEST LEVEL EXTENDED FROM TOP OF FOOTING TO BASE OF ROOF PARAPET.
5. PROVIDE FIRST TIE MAXIMUM OF ONE-HALF TIE SPACING ABOVE TOP OF FOOTING AT CONCRETE PIERS.
6. EXTEND TIES TO WITHIN ONE-HALF TIE SPACING OF TOP OF PIER. PROVIDE MINIMUM OF 2 TIES WITHIN 5" OF TOP OF PIER.

STEEL COLUMN SCHEDULE		
MARK	SIZE	BASE PLATE (WHERE REQUIRED)
SC1	HSS8x8x1/2	16x1 1/2x1'-4"
SC2	HSS5X3X1/4	6x1x1'-3" W/ (4) 5/8"Ø x 5" EMBED SCREW ANCHORS

UNLESS NOTED OTHERWISE:
1. PROVIDE 4-3/4Øx1'-6" HEADED ANCHOR RODS W/ STANDARD HOOK. EXTEND 9" INTO CONCRETE.
2. PROVIDE 1" NON-SHRINK GROUT BELOW BASE PLATE.
3. STEEL COLUMNS SHALL EXTEND FROM FOOTING TO BOND BEAM AT FLOOR OR ROOF BEARING ELEVATION ABOVE LINTEL. PROVIDE 2-1/2"Øx6" HEADED STUDS AT COLUMN INTO BOND BEAM ONE EACH WAY WHEN COLUMN OCCURS AT CMU WALL. USE 1/2" COLUMN CAP PLATE AT TOP.
4. AT STEEL COLUMNS ALONG GRIDLINE 8. STEEL COLUMN TO EXTEND ABOUVE TOP OF BEAM AS SHOWN IN 1/S401.

WALL REINFORCING SCHEDULE	
MARK	REINFORCING
W1	#5 @8"OC

UNLESS NOTED OTHERWISE:
1. PROVIDE TYPE W__ REINFORCING WHERE REINFORCING IS NOT SHOWN. CONFIRM WITH ENGINEER PRIOR TO PLACEMENT.
2. PROVIDE #4 @ 48"OC DOWELS FROM FOOTING INTO MASONRY WALLS. CENTER DOWELS IN WALL. EXTEND DOWELS 2'-0" ABOVE AND TO 3" CLEAR BOTTOM OF FOOTING. HOOK DOWELS AT BOTTOM OF FOOTING.
   ——OR——
   PROVIDE DOWELS TO MATCH WALL REINFORCING SIZE AND SPACING. HOOK AT BOTTOM OF FOOTING. PROJECT __" INTO WALL.
3. PLACE FIRST BAR 1/2 TYPICAL SPACING FROM EDGE OF PIERS.
4. SEE __/S__ FOR TYPICAL JAMB REINFORCING AND LAYOUT. SEE PIER SCHEDULE FOR ADDITIONAL REINFORCEMENT REQUIRED.
   ——OR——
   PROVIDE 2-#5 VERTICAL @ 8"OC AT EACH OPENING JAMB AND BEAM BEARING. SEE PIER SCHEDULE FOR ADDITIONAL REINFORCEMENT REQUIRED.
5. WALL REINFORCING TO EXTEND FROM FOOTING TO ROOF BEARING.
6. PROVIDE #__ @ __"OC IN PARAPET WALLS.

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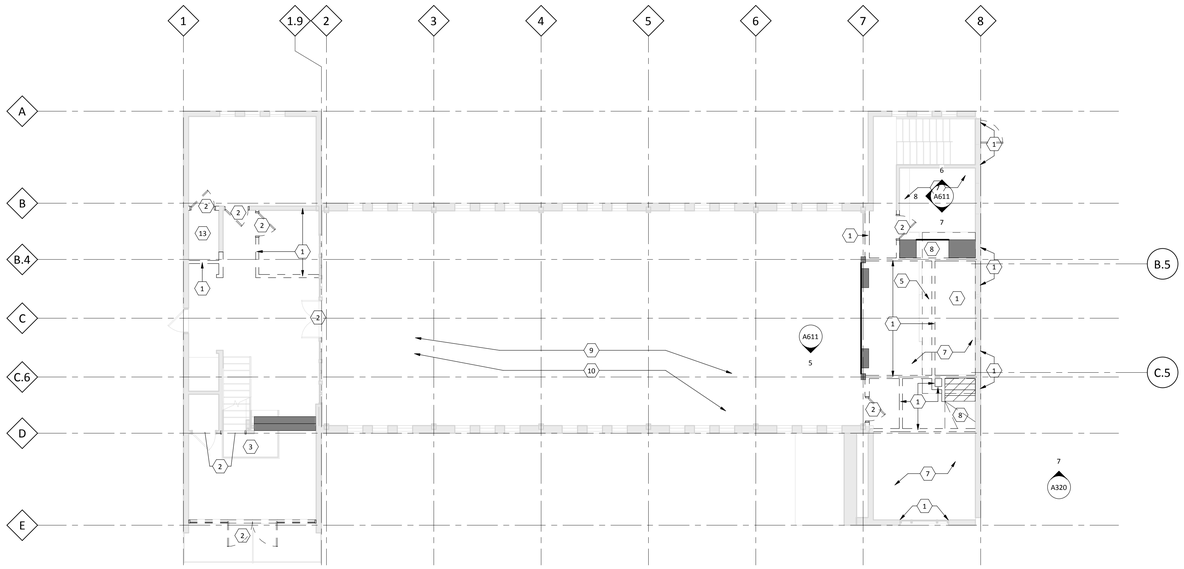
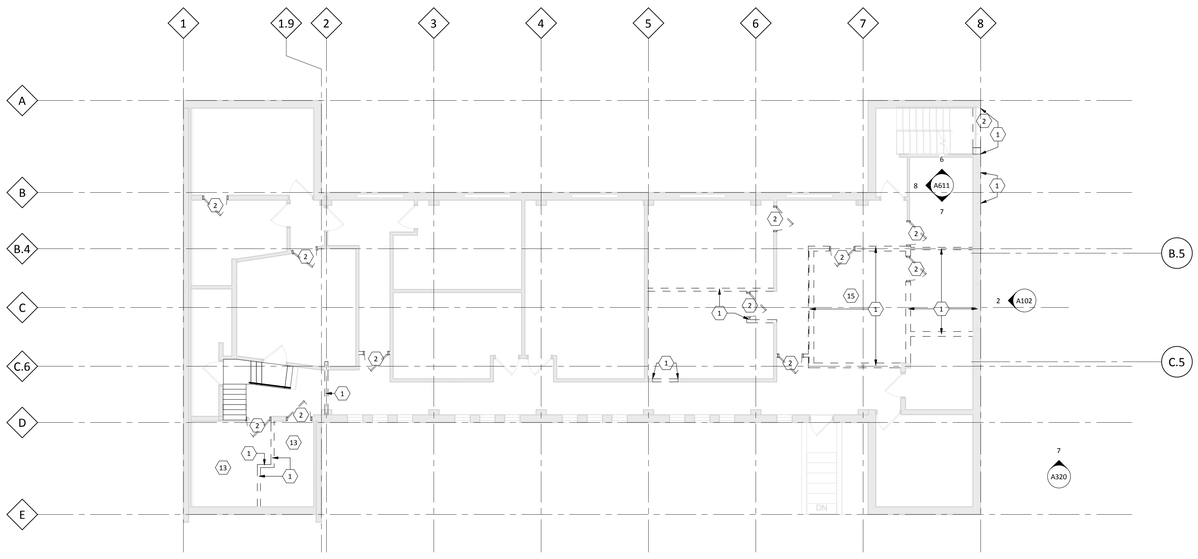


2 MAIN LEVEL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



1 LOWER LEVEL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

KEYNOTES - DEMO FLOOR PLAN	
Value	Note
1	REMOVE AND DISPOSE OF EXISTING WALL CONSTRUCTION. SEE PLAN FOR WIDTH.
2	REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE.
3	REMOVE AND DISPOSE OF EXISTING RAILING. STAIR TO REMAIN.
5	REMOVE WOOD FLOOR. SEE STRUCTURAL.
7	REMOVE STEPS, WALLS, BAPTISTRY, AND WOOD PANELING. COORDINATE SALVAGE OF SHELVING AND FURNITURE WITH OWNER
8	REMOVE STEPS, WALLS, BAPTISTRY, AND WOOD PANELING. COORDINATE STRUCTURAL REMOVAL WITH NEW FRAMING PLAN. SEE STRUCTURAL
9	UNINSTALL PEWS. SALVAGE FOR MODIFICATION AND RELINSTALLATION IN NEW LOCATION
10	EXISTING HARDWOOD FLOOR TO REMAIN. PATCH AND REPAIR AS REQUIRED. PREP FOR REFINISHING.
11	REMOVE AND DISPOSE OF EXISTING WINDOW CONSTRUCTION. INFILL WALL TO MATCH SURROUNDING EXISTING WALL CONSTRUCTION WHERE REQUIRED.
12	REMOVE AND DISPOSE OF EXISTING MEP EQUIPMENT AND CONSTRUCTION. INFILL WALL TO MATCH SURROUNDING EXISTING WALL CONSTRUCTION WHERE REQUIRED.
13	REMOVE TILE, PLUMBING, FIXTURES, AND ACCESSORIES. CAP FLOOR DRAINS, PLUMBING WALL CONNECTIONS, AND MISC PLUMBING.
14	UNINSTALL RAILING. SALVAGE & RETURN TO OWNER.
15	REMOVE CASEWORK, PLUMBING AND ACCESSORIES. SEE FLOOR PLAN FOR NEW LAYOUT

DEMOLITION GENERAL NOTES

A. THE OWNER'S NORMAL OPERATIONS WILL BE CONTINUED DURING DEMOLITION. DEMOLITION CONTRACTOR SHALL NOT INTERFERE WITH THESE OPERATIONS IN ANY WAY WITHOUT THE OWNER'S EXPRESSED CONSENT.
B. OWNER WILL OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO AREAS OF SELECTIVE DEMOLITION. CONDUCT SELECTIVE DEMOLITION WORK IN MANNER THAT WILL MINIMIZE NEED FOR DISRUPTION OF OWNER'S NORMAL OPERATIONS. REFER TO SPECIFICATIONS FOR MINIMUM ADVANCE NOTICE TO OWNER.
C. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC FROM INJURY DUE TO SELECTIVE DEMOLITION WORK.
D. PROVIDE 1 - HOUR FIRE RESISTANT CONSTRUCTION BARRIERS WHERE REQ'D TO PROTECT EXISTING CONSTRUCTION AND OWNERS OPERATIONS.
E. PROTECT FROM DAMAGE EXISTING FINISH WORK THAT IS TO REMAIN IN PLACE AND BECOME EXPOSED DURING DEMOLITION OPERATIONS.
F. PROTECT FLOORS WITH SUITABLE COVERING WHEN NECESSARY.
G. COVER AND PROTECT FURNITURE, EQUIPMENT, AND FIXTURES FROM SOILAGE OR DAMAGE WHEN DEMOLITION WORK IS PERFORMED IN AREAS WHERE SUCH ITEMS HAVE NOT BEEN REMOVED.
H. PRIOR TO CUTTING EXISTING CONSTRUCTION, LOCATE AND IDENTIFY SERVICES TO REMAIN IN OPERATION, INCLUDING ALL FLOOR PENETRATIONS. UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC. AND ANY WALLS THAT CONTAIN LIFE SAFETY VERTICAL RISERS THT MUST REMAIN IN OPERATION DURING THE DEMOLITION WORK.
I. CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE THE START OF WORK.
J. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OF DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE BOTH NATURE AND EXTENT OF THE CONFLICT AND NOTIFY OWNER'S REPRESENTATIVE.
K. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTON.
L. WHERE DEMOLITION IS REQ'D BEYOND THE LIMITS OF THE CONTRACT TO ROUTE NEW DUCTWORK, PIPING, CONDUITS ETC., RATED WALLS AND SMOKE BARRIERS SHALL BE PATCHED BY CONTRACTOR REQUIRING PENETRATIONS, ALL FINISHES DAMAGED BY THE WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
M. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQ'D. RETURN ELEMENTS OF CONSTRUCTION AND SURFACES TO REMAIN, TO THE CONDITION EXISTING PRIOR TO START OF OPERATIONS. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION.
N. PROVIDE SHORING, BRACING AND ANY OTHER MEANS REQ'D TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF ALL EXISTING AND NEW CONSTRUCTION.
O. WHEN ROOFING, GLAZING, FLASHING, COPING OR PORTIONS OF EXTERIOR WALLS ARE REMOVED OR OPENED, SUITABLE WEATHER PROTECTION SHALL BE PROVIDED AND MAINTAINED FOR THE DURATION OF WORK.
P. REMOVAL OF ITEMS NOTED INCLUDES REMOVAL OF ANCHORS, ADHESIVES, HARDWARE, CONDUIT, WIRE, PIPING, ETC. FOR A COMPLETE REMOVAL OF THE ITMES OR SYSTEMS.
Q. WHEREVER WATER CLOSETS, FLOOR SINKS OR OTHER EQUIPMENT AND RELATED PIPING ARE TO BE REMOVED, PATCH FLOOR SLAB W/ CONCRETE AS REQUIRED.
R. ALL CONCRETE FLOO SLABS NOTED TO BE REMOVED SHALL BE SAWCUT TO PROVIDE A NEAT JOINT.
S. SEE MECHANICAL, CIVIL AND ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL SCOPE OF DEMOLITION WORK.
T. SALVAGE ALL EXISTING REMOVED BRICK FOR PATCHING AND REFINISH WORK AS REQ'D - TYPICAL.
U. DEMOLITION OF ANY EXISTING CONSTRUCTION SHALL INCLUDE WHAT IS NECESSARY AND REQ'D TO ACCOMMODATE THE REQUIREMENTS OF NEW CONSTRUCTION. REFER TO THE APPROPRIATE DRAWINGS AS TO THE EXTENT OF NEW CONSTRUCTION TO REMAIN.
V. SURFACES SHALL BE CLEANED AND PREPPED WITHIN THE NEW MATERIALS GUIDELINES OF INSTALLATION OF THEIR PRODUCT IN EXISTING CONSTRUCTION.
W. ALL DEMOLITION SHALL COMPLY WITH APPLICABLE LOCAL CODES AND STATE CODES AND ORDINANCES.
X. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIRMENTS

DEMOLITION LEGEND

EXISTING TO BE REMOVED

EXISTING TO REMAIN

TEMPORARY CONSTRUCTION PARTITIONS AS REQUIRED (1 HR FIRE RATED CONSTRUCTION)

FOR ENTIRE FLOOR IN SHADED AREA - COMPLETELY REMOVE ALL EXISTING FLOOR FINISHES (AT ROOMS AND/OR ARE AS TO REMAIN AND RECIEVE NEW FLOOR FINISHES, LEAVE SUB-FLOOR CLEAN AND PREPARED FOR NEW WORK.

COMPLETELY REMOVE ALL EXISTING CEILINGS U.N.O. (EITHER LAY-IN, PLASTER, OR GYP. BD. INCLUDING ALL CURTAIN, CEILING MOUNTED EQUIPMENT, SUPPORTS, TRACKS ETC.)

ALL DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL AND ARCHITECTURAL ITEMS AS REQUIRED TO FACILITATE NEW CONSTRUCTION.

REFER TO FINISH SCHEDULE FOR AN ADDITIONAL FINISH WORK REQUIRED IN OTHER AREAS THAT ARE NOT DOCUMENTED TO RECEIVE AND DEMOLITION/ REMOVAL WORK AS INDICATED ON DEMOLITION PLANS, (TYPICAL).

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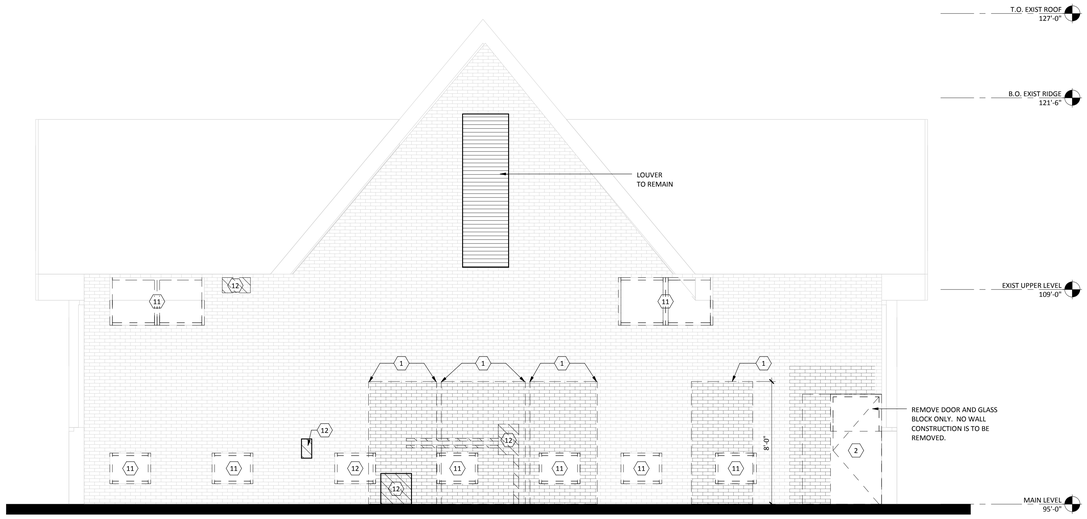
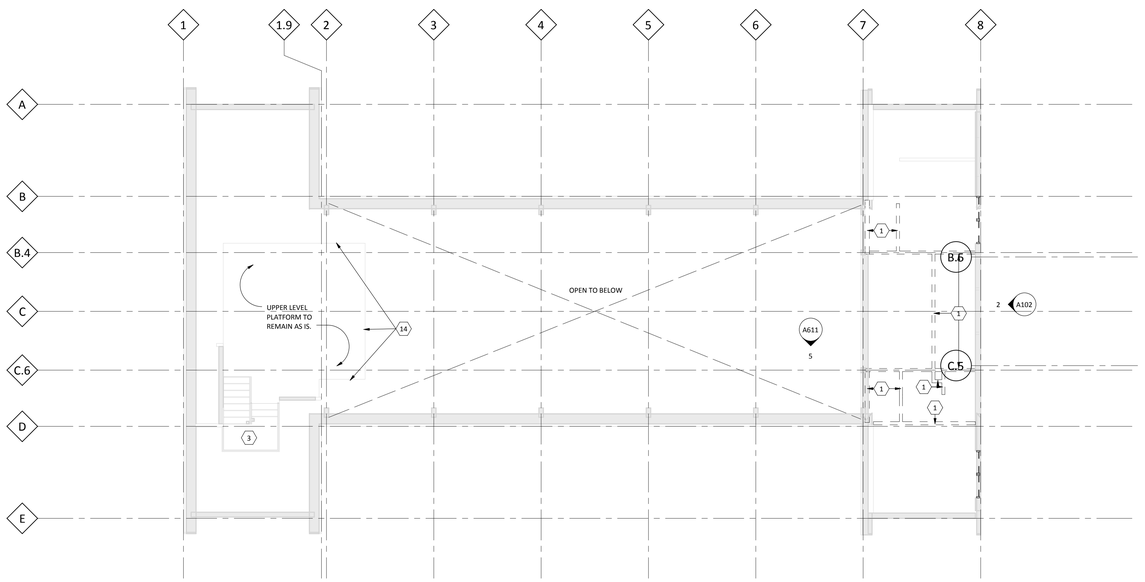


2 DEMO ELEVATION - NORTH EXISTING WALL

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



1 UPPER LEVEL DEMOLITION PLAN

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

KEYNOTES - DEMO FLOOR PLAN	
Value	Note
1	REMOVE AND DISPOSE OF EXISTING WALL CONSTRUCTION. SEE PLAN FOR WIDTH.
2	REMOVE AND DISPOSE OF EXISTING DOOR AND HARDWARE.
3	REMOVE AND DISPOSE OF EXISTING RAILING. STAIR TO REMAIN.
5	REMOVE WOOD FLOOR. SEE STRUCTURAL.
7	REMOVE STEPS, WALLS, BAPTISTRY, AND WOOD PANELING. COORDINATE SALVAGE OF SHELVING AND FURNITURE WITH OWNER
8	REMOVE STEPS, WALLS, BAPTISTRY, AND WOOD PANELING. COORDINATE STRUCTURAL REMOVAL WITH NEW FRAMING PLAN. SEE STRUCTURAL
9	UNINSTALL PEWS. SALVAGE FOR MODIFICATION AND RELINSTALLATION IN NEW LOCATION
10	EXISTING HARDWOOD FLOOR TO REMAIN. PATCH AND REPAIR AS REQUIRED. PREP FOR REFINISHING.
11	REMOVE AND DISPOSE OF EXISTING WINDOW CONSTRUCTION. INFILL WALL TO MATCH SURROUNDING EXISTING WALL CONSTRUCTION WHERE REQUIRED.
12	REMOVE AND DISPOSE OF EXISTING MEP EQUIPMENT AND CONSTRUCTION. INFILL WALL TO MATCH SURROUNDING EXISTING WALL CONSTRUCTION WHERE REQUIRED.
13	REMOVE TILE, PLUMBING, FIXTURES, AND ACCESSORIES. CAP FLOOR DRAINS, PLUMBING WALL CONNECTIONS, AND MISC PLUMBING.
14	UNINSTALL RAILING. SALVAGE & RETURN TO OWNER.
15	REMOVE CASEWORK, PLUMBING AND ACCESSORIES. SEE FLOOR PLAN FOR NEW LAYOUT

DEMOLITION GENERAL NOTES

A. THE OWNER'S NORMAL OPERATIONS WILL BE CONTINUED DURING DEMOLITION. DEMOLITION CONTRACTOR SHALL NOT INTERFERE WITH THESE OPERATIONS IN ANY WAY WITHOUT THE OWNER'S EXPRESSED CONSENT.
B. OWNER WILL OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO AREAS OF SELECTIVE DEMOLITION. CONDUCT SELECTIVE DEMOLITION WORK IN MANNER THAT WILL MINIMIZE NEED FOR DISRUPTION OF OWNER'S NORMAL OPERATIONS. REFER TO SPECIFICATIONS FOR MINIMUM ADVANCE NOTICE TO OWNER.
C. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC FROM INJURY DUE TO SELECTIVE DEMOLITION WORK.
D. PROVIDE 1 - HOUR FIRE RESISTANT CONSTRUCTION BARRIERS WHERE REQ'D TO PROTECT EXISTING CONSTRUCTION AND OWNERS OPERATIONS.
E. PROTECT FROM DAMAGE EXISTING FINISH WORK THAT IS TO REMAIN IN PLACE AND BECOME EXPOSED DURING DEMOLITION OPERATIONS.
F. PROTECT FLOORS WITH SUITABLE COVERING WHEN NECESSARY.
G. COVER AND PROTECT FURNITURE, EQUIPMENT, AND FIXTURES FROM SOILAGE OR DAMAGE WHEN DEMOLITION WORK IS PERFORMED IN AREAS WHERE SUCH ITEMS HAVE NOT BEEN REMOVED.
H. PRIOR TO CUTTING EXISTING CONSTRUCTION, LOCATE AND IDENTIFY SERVICES TO REMAIN IN OPERATION, INCLUDING ALL FLOOR PENETRATIONS. UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC. AND ANY WALLS THAT CONTAIN LIFE SAFETY VERTICAL RISERS THT MUST REMAIN IN OPERATION DURING THE DEMOLITION WORK.
I. CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE THE START OF WORK.
J. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OF DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE BOTH NATURE AND EXTENT OF THE CONFLICT AND NOTIFY OWNER'S REPRESENTATIVE.
K. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTTERUPT UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICITON.
L. WHERE DEMOLITION IS REQ'D BEYOND THE LIMITS OF THE CONTRACT TO ROUTE NEW DUCTWORK, PIPING, CONDUITS ETC., RATED WALLS AND SMOKE BARRIERS SHALL BE PATCHED BY CONTRACTOR REQUIRING PENETRATIONS, ALL FINISHES DAMAGED BY THE WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
M. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQ'D. RETURN ELEMENTS OF CONSTRUCTION AND SURFACES TO REMAIN, TO THE CONDITION EXISTING PRIOR TO START OF OPERATIONS. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION.
N. PROVIDE SHORING, BRACING AND ANY OTHER MEANS REQ'D TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF ALL EXISTING AND NEW CONSTRUCTION.
O. WHEN ROOFING, GLAZING, FLASHING, COPING OR PORTIONS OF EXTERIOR WALLS ARE REMOVED OR OPENED, SUITABLE WEATHER PROTECTION SHALL BE PROVIDED AND MAINTAINED FOR THE DURATION OF WORK.
P. REMOVAL OF ITEMS NOTED INCLUDES REMOVAL OF ANCHORS, ADHESIVES, HARDWARE, CONDUIT, WIRE, PIPING, ETC. FOR A COMPLETE REMOVAL OF THE ITMES OR SYSTEMS.
Q. WHEREVER WATER CLOSETS, FLOOR SINKS OR OTHER EQUIPMENT AND RELATED PIPING ARE TO BE REMOVED, PATCH FLOOR SLAB W/ CONCRETE AS REQUIRED.
R. ALL CONCRETE FLOO SLABS NOTED TO BE REMOVED SHALL BE SAWCUT TO PROVIDE A NEAT JOINT.
S. SEE MECHANICAL, CIVIL, AND ELECTRICAL DEMOLITION DRAWINGS FOR ADDTIONAL SCOPE OF DEMOLITION WORK.
T. SALVAGE ALL EXISTING REMOVED BRICK FOR PATCHING AND REFINISH WORK AS REQ'D - TYPICAL.
U. DEMOLITION OF ANY EXISTING CONSTRUCTION SHALL INCLUDE WHAT IS NECESSARY AND REQ'D TO ACCOMMODATE THE REQUIREMENTS OF NEW CONSTRUCTION. REFER TO THE APPROPRIATE DRAWINGS AS TO THE EXTENT OF NEW CONSTRUCTION TO REMAIN.
V. SURFACES SHALL BE CLEANED AND PREPPED WITHIN THE NEW MATERIALS GUIDELINES OF INSTALLATION OF THEIR PRODUCT IN EXISTING CONSTRUCTION.
W. ALL DEMOLITION SHALL COMPLY WITH APPLICABLE LOCAL CODES AND STATE CODES AND ORDINANCES.
X. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIRMENTS

DEMOLITION LEGEND

EXISTING TO BE REMOVED

EXISTING TO REMAIN

TEMPORARY CONSTRUCTION PARTITIONS AS REQUIRED (1 HR FIRE RATED CONSTRUCTION)

FOR ENTIRE FLOOR IN SHADED AREA - COMPLETELY REMOVE ALL EXISTING FLOOR FINISHES (AT ROOMS AND/OR ARE AS TO REMAIN AND RECEIVE NEW FLOOR FINISHES, LEAVE SUB-FLOOR CLEAN AND PREPARED FOR NEW WORK.

COMPLETELY REMOVE ALL EXISTING CEILINGS U.N.O. (EITHER LAY-IN, PLASTER, OR GYP. BD. INCLUDING ALL CURTAIN, CEILING MOUNTED EQUIPMENT, SUPPORTS, TRACKS ETC.)

ALL DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL AND ARCHITECTURAL ITEMS AS REQUIRED TO FACILITATE NEW CONSTRUCTION.

REFER TO FINISH SCHEDULE FOR AN ADDITIONAL FINISH WORK REQUIRED IN OTHER AREAS THAT ARE NOT DOCUMENTED TO RECEIVE AND DEMOLITION/ REMOVAL WORK AS INDICATED ON DEMOLITION PLANS, (TYPICAL).

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PRELIMINARY
NOT FOR CONSTRUCTION

No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

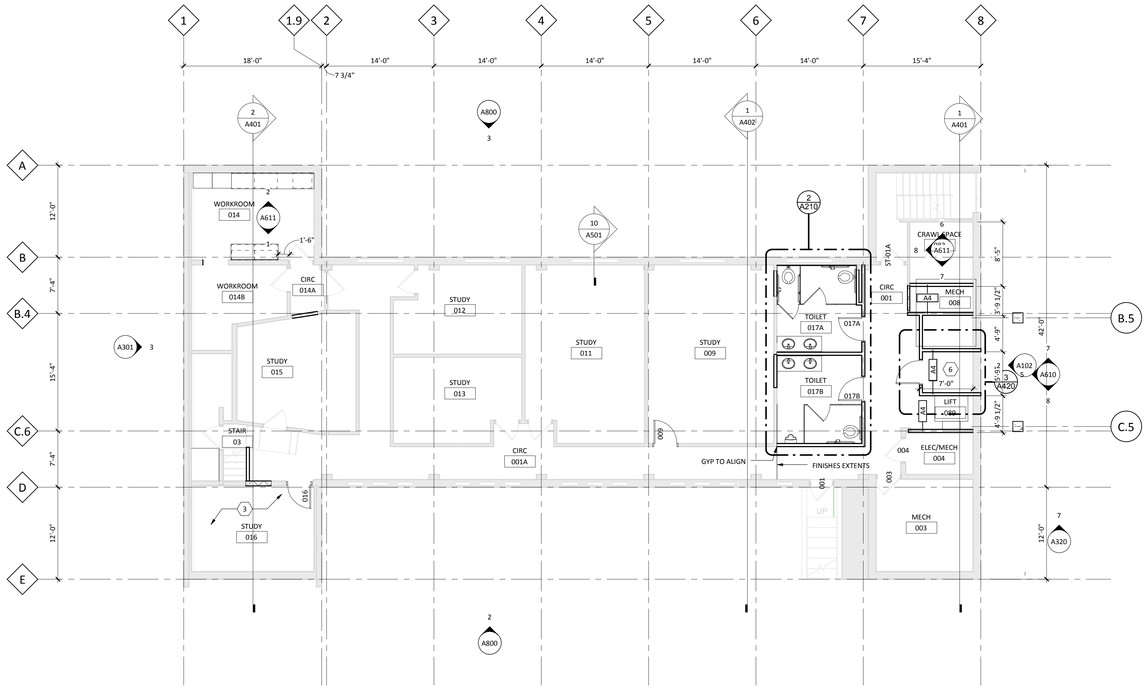
DATE
03.15.2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
A102
UPPER LEVEL DEMOLITION PLAN & ELEVATION

3/15/2017 2:02:10 PM

KEYNOTES - FLOOR PLAN	
Value	Note
1	PREMANUFACTURED BAPTISTRY TUB WITH TILT UP HINGE, LOCKABLE COVER. COORDINATE MECHANICAL AND PLUMBING FOR QUICK FILL & INSTANT HOT WATER. SEE STRUCTURAL FOR FRAMING.
2	INFILL FLOOR AT NEW OFFICE. ALIGN WITH LOBBY ELEVATION 100'-0"
3	PATCH AND REPAIR FLOOR AT CAPPED PLUMBING FIXTURES AND DRAINS. LEVEL FLOOR TO CREATE LEVEL FLOOR. PATCH AND REPAIR WALL. PREP FOR PAINT
4	SLOPE FLOOR 1/4" PER FOOT TO DRAIN. COORDINATE WITH PLUMBING.
5	EXTEND WALL HEIGHT TO SPRING LINE. PLAN FOR 9'-0" AFF
6	STORAGE UNDER STAIR. COORDINATE WITH MECHANICAL FOR SPRINKLER REQUIREMENTS.

FLOOR PLAN GENERAL NOTES

A. FOR TYPICAL BARRIER FREE TOILET ROOM TYPES AND ACCESSORIES REQ'MTS AND LOCATIONS SEE SHEET G120
B. FOR TYPICAL HOUSEKEEPING CLOSETS ACCESSORIES EQ'MTS AND MOUNTING LOCATIONS SEE DWG. G120
C. ALL PARTITION TYPES ARE "A4" TYPICALLY UNLESS OTHERWISE NOTED.
D. COORDINATE PARTITION FIRE RATED REQUIREMENTS AS INDICATED ON REFLECTED CEILING PLANS - DRAWING SERIES A700
E. TYPICALLY INSTALL SOAP DISPENSERS AND PAPER TOWEL DISPENSER AT ALL SINKS UNLESS NOTED OTHERWISE.
F. PROVIDE WALL REINFORCEMENT PER DETAIL #X/A620 AT WALL-MOUNTED SHELVES AND STORAGE UNITS, MARKERBOARDS, BULLETIN BOARDS, TACK BOARDS, TELEVISIONS AND OTHER CONTRACTOR OR OWNER FURNISHED WALL-MOUNTED ITEMS (REFER TO ACCESSORIES AND EQUIPMENT SCHEDULE) SEE DWG AX-XXX.
G. FOR ALL CARPET TYPE CHANGES BETWEEN ROOMS, TRANSITION SHALL OCCUR AT CENTERLINE OF DOOR PANEL TYPICALLY - U.N.O. SEE DWG AX-XXX.
H. CORRDINATE DIMENSIONS W/ ASTERISK (IE - "X'-X") W/ EQUIPMENT VENDER.
I. PROVIDE BULLNOSE ON ALL CMU OUTSIDE CORNERS - TYPICAL.
J. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD OR MASONRY UNLESS OTHERWISE NOTED.
K. COORDINATE ALL FLOOR OPENING DIMENSIONS AND CLEARANCES FOR DUCTWORK W/ MECHANICAL CONTRACTOR - TYPICAL.
L. NO WORK - EXISTING TO REMAIN.



1 EXIST LOWER LEVEL
SCALE: 1/8" = 1'-0"

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NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
03.15.2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
A201
LOWER LEVEL FLOOR PLAN

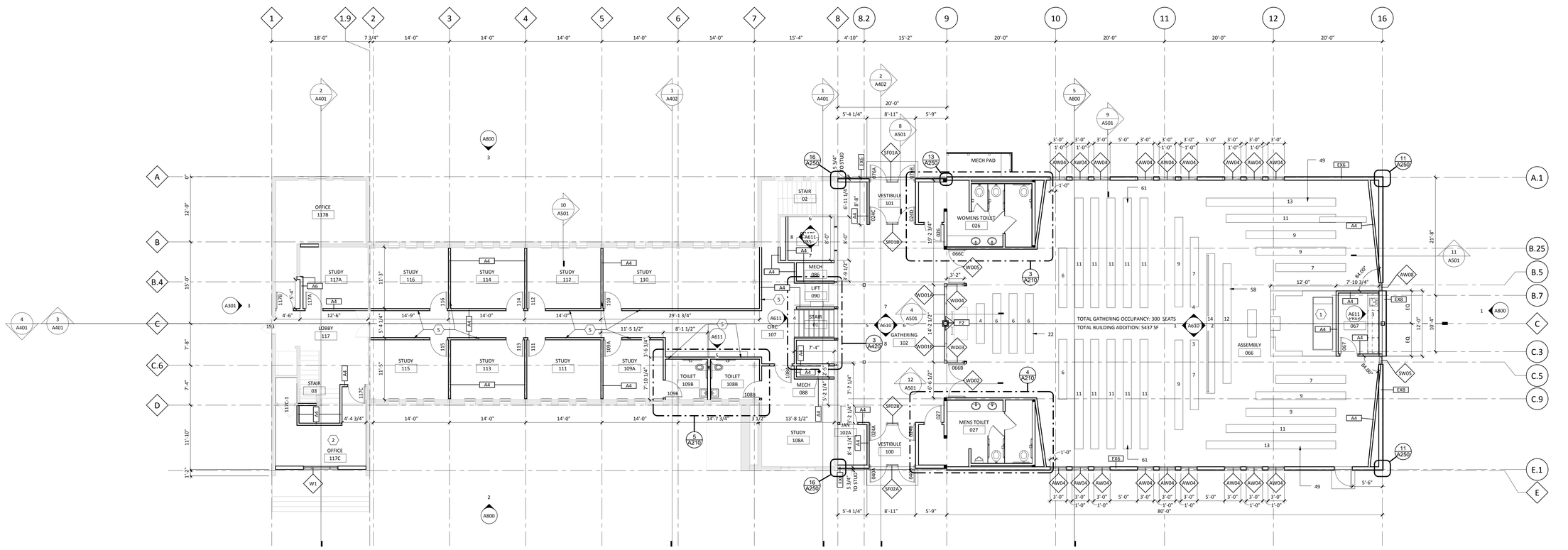
0 8 16 32

3/31/2017 2:52:11 PM

KEYNOTES - FLOOR PLAN	
Value	Note
1	PREMANUFACTURED BAPTISTRY TUB WITH TILT UP HINGE, LOCKABLE COVER. COORDINATE MECHANICAL AND PLUMBING FOR QUICK FILL & INSTANT HOT WATER. SEE STRUCTURAL FOR FRAMING.
2	INFILL FLOOR AT NEW OFFICE. ALIGN WITH LOBBY ELEVATION 100'-0"
3	PATCH AND REPAIR FLOOR AT CAPPED PLUMBING FIXTURES AND DRAINS. LEVEL FLOOR TO CREATE LEVEL FLOOR. PATCH AND REPAIR WALL. PREP FOR PAINT
4	SLOPE FLOOR 1/4" PER FOOT TO DRAIN. COORDINATE WITH PLUMBING.
5	EXTEND WALL HEIGHT TO SPRING LINE. PLAN FOR 9'-0" AFF
6	STORAGE UNDER STAIR. COORDINATE WITH MECHANICAL FOR SPRINKLER REQUIREMENTS.

FLOOR PLAN GENERAL NOTES

A. FOR TYPICAL BARRIER FREE TOILET ROOM TYPES AND ACCESSORIES REQ'MTS AND LOCATIONS SEE SHEET G120
B. FOR TYPICAL HOUSEKEEPING CLOSETS ACCESSORIES EQ'MTS AND MOUNTING LOCATIONS SEE DWG. G120
C. ALL PARTITION TYPES ARE "A4" TYPICALLY UNLESS OTHERWISE NOTED.
D. COORDINATE PARTITION FIRE RATED REQUIREMENTS AS INDICATED ON REFLECTED CEILING PLANS - DRAWING SERIES A700
E. TYPICALLY INSTALL SOAP DISPENSERS AND PAPER TOWEL DISPENSER AT ALL SINKS UNLESS NOTED OTHERWISE.
F. PROVIDE WALL REINFORCEMENT PER DETAIL #X/A620 AT WALL-MOUNTED SHELVES AND STORAGE UNITS, MARKERBOARDS, BULLETIN BOARDS, TACK BOARDS, TELEVISIONS AND OTHER CONTRACTOR OR OWNER FURNISHED WALL-MOUNTED ITEMS (REFER TO ACCESSORIES AND EQUIPMENT SCHEDULE) SEE DWG AX-XXX.
G. FOR ALL CARPET TYPE CHANGES BETWEEN ROOMS, TRANSITION SHALL OCCUR AT CENTERLINE OF DOOR PANEL TYPICALLY - U.N.O. SEE DWG AX-XXX.
H. CORRDINATE DIMENSIONS W/ ASTERISK (IE - "X'-X"") W/ EQUIPMENT VENDER.
I. PROVIDE BULLNOSE ON ALL CMU OUTSIDE CORNERS - TYPICAL.
J. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD OR MASONRY UNLESS OTHERWISE NOTED.
K. COORDINATE ALL FLOOR OPENING DIMENSIONS AND CLEARANCES FOR DUCTWORK W/ MECHANICAL CONTRACTOR - TYPICAL.
L. NO WORK - EXISTING TO REMAIN.



1 EXIST MAIN LEVEL
SCALE: 1/8" = 1'-0"

0 8 16 32

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8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
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PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
A202
MAIN LEVEL FLOOR PLAN

3/31/2017 2:52:14 PM

FLOOR PLAN GENERAL NOTES

A. FOR TYPICAL BARRIER FREE TOILET ROOM TYPES AND ACCESSORIES REQ'MTS AND LOCATIONS SEE SHEET G120
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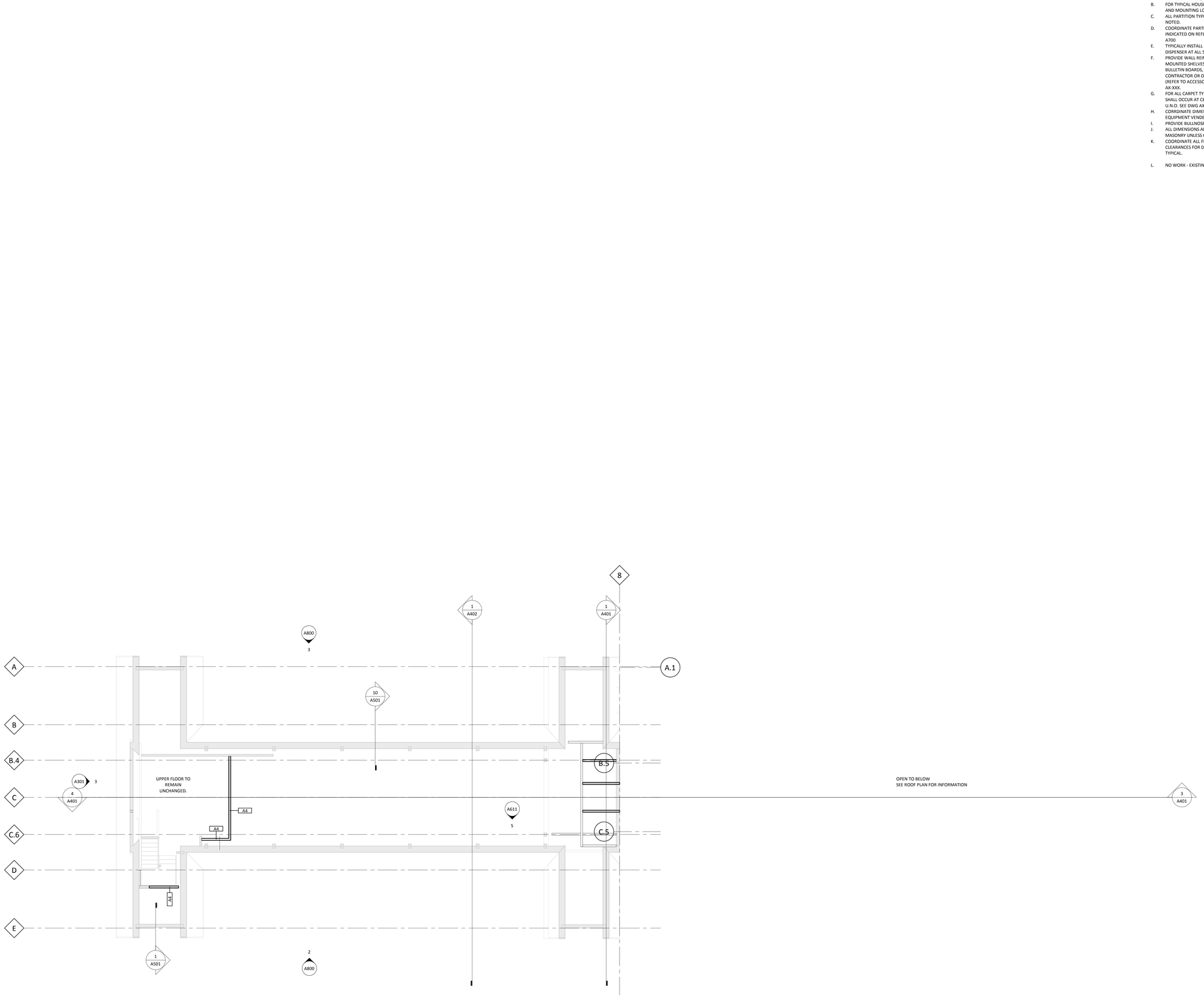

1 UPPER LEVEL
SCALE: 1/8" = 1'-0"

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DATE
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PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
A203
UPPER LEVEL FLOOR PLAN

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FLOOR PLAN GENERAL NOTES

A. FOR TYPICAL BARRIER FREE TOILET ROOM TYPES AND ACCESSORIES REQ'MTS AND LOCATIONS SEE SHEET G120
B. FOR TYPICAL HOUSEKEEPING CLOSETS ACCESSORIES EQ'MTS AND MOUNTING LOCATIONS SEE DWG. G120
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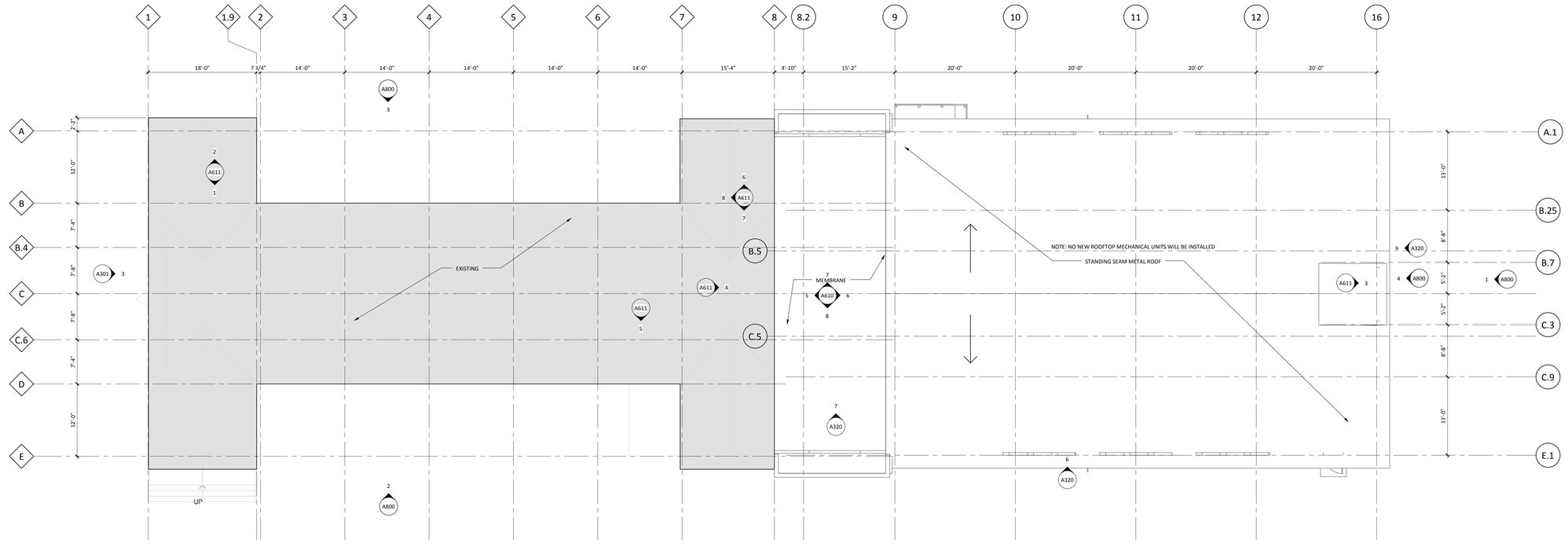
K. COORDINATE ALL FLOOR OPENING DIMENSIONS AND CLEARANCES FOR DUCTWORK W/ MECHANICAL CONTRACTOR - TYPICAL.

L. NO WORK - EXISTING TO REMAIN.



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

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SHEET
A204
ROOF PLAN

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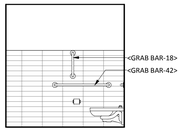
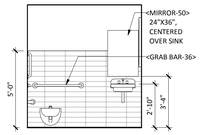
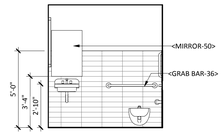
SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION
CER TILE-10	09 3000 - CERAMIC WALL TILE
GRAB BAR-18	10 2800 - STAINLESS STEEL GRAB BAR, 18"
GRAB BAR-36	10 2800 - STAINLESS STEEL GRAB BAR, 36"
GRAB BAR-42	10 2800 - STAINLESS STEEL GRAB BAR, 42"
MIRROR-50	10 2800 - FRAMELESS MIRROR
PLAM CTOP-1	12 3600 - PLASTIC LAMINATE COUNTERTOP
TOILET COMP-40	10 2113.19 - SOLID PLASTIC TOILET COMPARTMENTS
TP DISP-2	10 2800 - TOILET PAPER DISPENSER, DOUBLE ROLL, SURFACE MOUNT



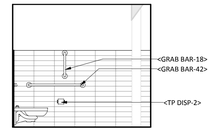
21 TOILET 109B - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



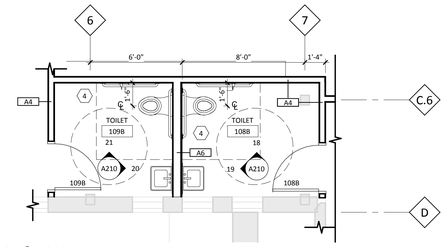
20 TOILET 109B - EAST ELEVATION
SCALE: 1/4" = 1'-0"



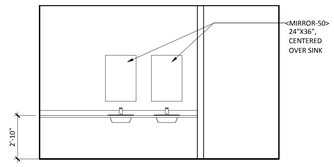
19 TOILET 108B - WEST ELEVATION
SCALE: 1/4" = 1'-0"



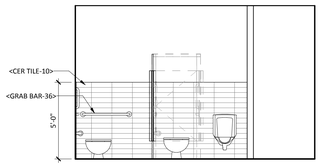
18 TOILET 108B - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



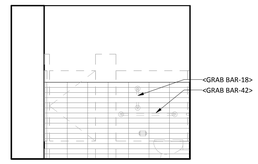
5 TOILET 108B & 109B - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



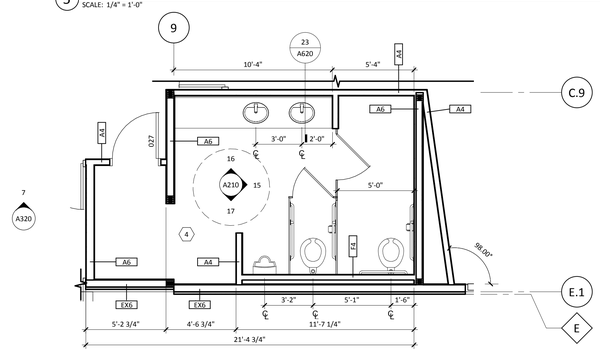
16 MENS TOILET 105 - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



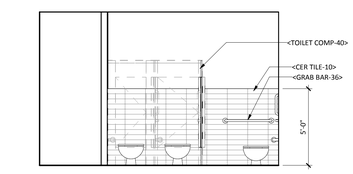
17 MENS TOILET 105 - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



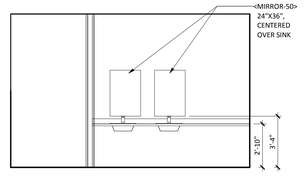
15 MENS TOILET 105 - EAST ELEVATION
SCALE: 1/4" = 1'-0"



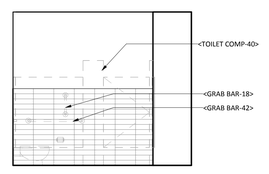
4 MENS TOILET 105 - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



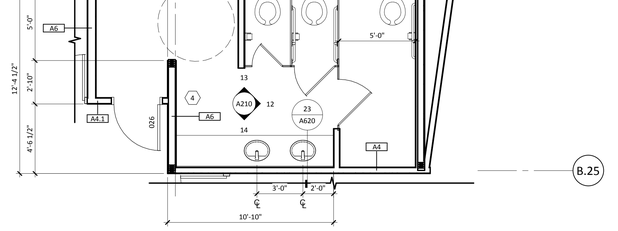
13 WOMENS TOILET 104 - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



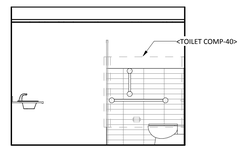
14 WOMENS TOILET 104 - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



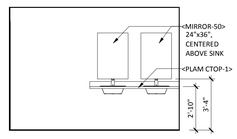
12 WOMENS TOILET 104 - EAST ELEVATION
SCALE: 1/4" = 1'-0"



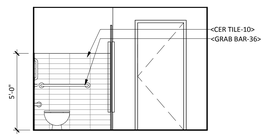
3 WOMENS TOILET 104 - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



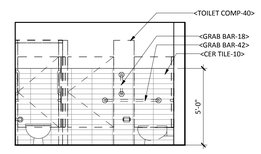
22 TOILET 017 - WEST ELEVATION
SCALE: 1/4" = 1'-0"



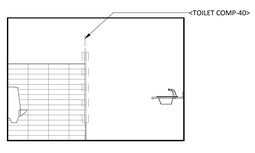
11 TOILET 017 - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



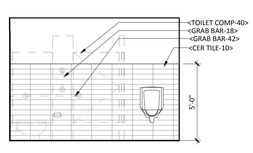
10 TOILET 017 - EAST ELEVATION
SCALE: 1/4" = 1'-0"



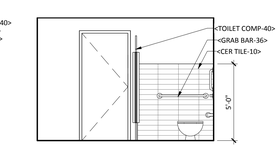
9 TOILET 017 - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



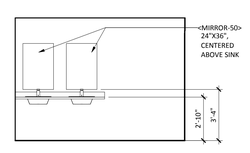
8 TOILET 002 - WEST ELEVATION
SCALE: 1/4" = 1'-0"



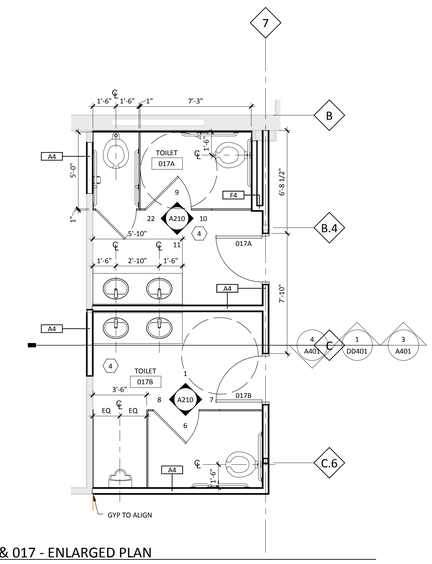
6 TOILET 002 - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



7 TOILET 002 - EAST ELEVATION
SCALE: 1/4" = 1'-0"



1 TOILET 002 - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



2 TOILET 002 & 017 - ENLARGED PLAN
SCALE: 1/4" = 1'-0"

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PRELIMINARY
NOT FOR CONSTRUCTION

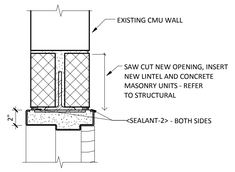
No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

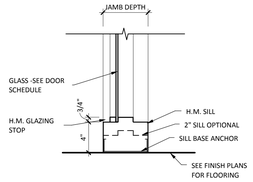
DATE
03.15.2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
A210
ENLARGED PLANS

3/1/2017 2:02:24 PM

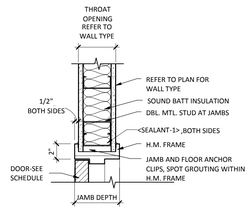
SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION
ALUM STOR-1	08 4313 - ALUMINUM FRAMED STOREFRONT
SEALANT-1	07 9005 - JOINT SEALANT OR CAULKING
SEALANT-2	07 9005 - JOINT SEALANT OR CAULKING WITH BACKER ROD



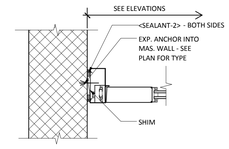
7E TYP. HM HEAD AT EXIST CMU WALL
SCALE: 1 1/2" = 1'-0"



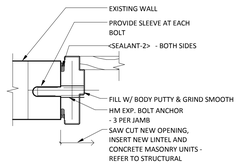
6E H.M. SILL @ SIDELITE
SCALE: 1 1/2" = 1'-0"



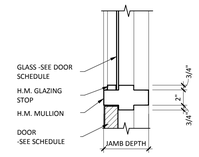
5E H.M. JAMB @ GYP. BD.
SCALE: 1 1/2" = 1'-0"



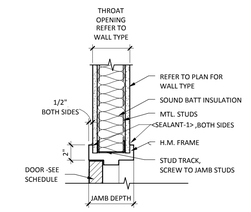
4E STOREFRONT JAMB AT MASONRY
SCALE: 1 1/2" = 1'-0"



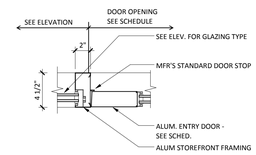
7D TYP. HM JAMB AT EXIST CMU WALL
SCALE: 1 1/2" = 1'-0"



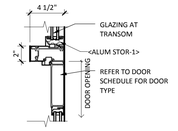
6D H.M. JAMB @ SIDELITE (TRANSOM SIM.)
SCALE: 1 1/2" = 1'-0"



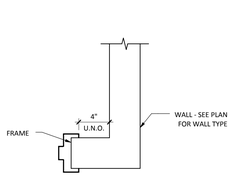
5D H.M. HEAD @ GYP. BD.
SCALE: 1 1/2" = 1'-0"



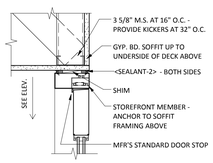
4D STOREFRONT JAMB AT SIDELITE
SCALE: 1 1/2" = 1'-0"



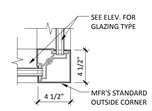
4C STOREFRONT HEAD AT TRANSOM
SCALE: 1 1/2" = 1'-0"



5B TYP. DOOR LOCATION PLAN
SCALE: 1 1/2" = 1'-0"



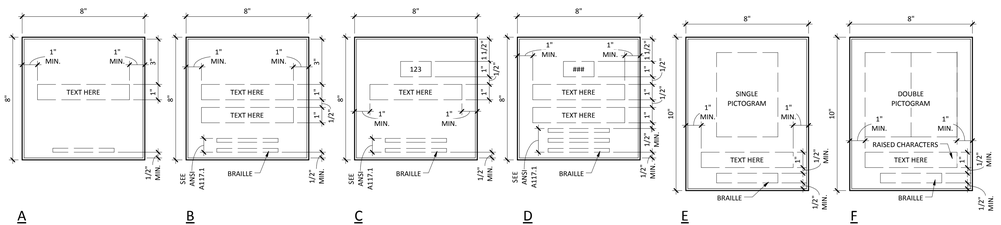
4B STOREFRONT HEAD AT SOFFIT
SCALE: 1 1/2" = 1'-0"



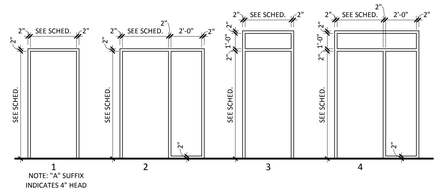
3B STOREFRONT OUTSIDE CORNER
SCALE: 1 1/2" = 1'-0"

TACTILE SIGN TYPES

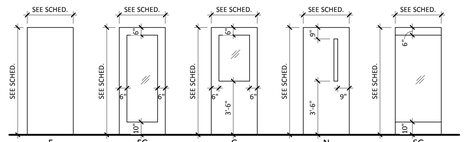
NOTES:
1. ALL TACTILE SIGNS SHALL MEET THE REQUIREMENTS OF ANSI A117.1 AND IBC 2012
2. ALL TEXT TO BE UPPERCASE RAISED CHARACTERS
3. ALL BRAILLE TEXT TO BE UPPER AND LOWER CASE
4. PROVIDE SIGNS AT LOWER LEVEL STUDY ROOMS LABELED ALPHABETICALLY. PROVIDE SIGNS AT MAIN LEVEL STUDY ROOMS LABELED NUMERICALLY. PROVIDE RESTROOM SIGNAGE AND EXITING SIGNAGE AS REQUIRED BY CODE.



FRAME TYPES



DOOR TYPES



DOOR SCHEDULE

DOOR NUMBER	ROOM NAME	SIZE WIDTH	SIZE HEIGHT	SIZE THK	DOORS MAT'L	DOORS TYPE	DOORS FINISH	DOORS GLZ	FRAME MAT'L	FRAME TYPE	FRAME FINISH	FRAME GLZ	DETAILS JAMB	DETAILS HEAD	DETAILS SILL	RATING	HW SET	NOTES
	CIRC	4'-11"	6'-8"	1 3/4"	--	FG-FG	--	SEE ELEV.	--	TAG # HERE	--	SEE ELEV.	--	--	--	--	--	
001	CIRC	2'-10"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
003	MECH	3'-0"	7'-0"	1 3/4"	HM	F	--	--	HM	1	--	--	--	--	--	--	--	
004	CIRC	3'-0"	7'-0"	1 3/4"	HM	F	--	--	HM	1	--	--	--	--	--	--	--	
009	STUDY	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
016	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
017A	TOILET	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
017B	TOILET	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
024A	GATHERING	3'-0"	8'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
024B	GATHERING	3'-0"	8'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
024C	VESTIBULE	3'-0"	8'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
024D	VESTIBULE	3'-0"	8'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
026	WOMENS TOILET	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
027	GATHERING	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
040A	VESTIBULE	3'-0"	7'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
040B	VESTIBULE	3'-0"	7'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
066B	ASSEMBLY	6'-0"	8'-0"	1 3/4"	WD	FG-FG	--	SEE ELEV.	HM	TAG # HERE	--	SEE ELEV.	--	--	--	--		
066C	ASSEMBLY	6'-0"	8'-0"	1 3/4"	WD	FG-FG	--	SEE ELEV.	HM	TAG # HERE	--	SEE ELEV.	--	--	--	--		
067	PREP	3'-0"	7'-0"	1 3/4"	HM	F	--	--	HM	1	--	--	--	--	--	--	--	
069		3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	HARDWARE: ALARM DOOR, PANIC HARDWARE, EXIT ONLY
070	CIRC	3'-0"	4'-0"	1 3/4"	HM	F	--	--	HM	1	--	--	--	--	--	--	--	
076A		3'-0"	8'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
076B		3'-0"	8'-0"	1 3/4"	ALUM.	FG	--	SEE ELEV.	ALUM.	TAG # HERE	--	SEE ELEV.	--	--	--	--		
102A	JAN	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
108A	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
108B	STUDY	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
109A	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
109B	STUDY	3'-0"	7'-0"	1 3/4"	WD	F	--	--	HM	1	--	--	--	--	--	--	--	
110	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
111	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
112	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
113	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
114	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
115	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
116	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
117A	STUDY	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
117B	OFFICE	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	
117C	OFFICE	3'-0"	7'-0"	1 3/4"	WD	G	--	--	HM	1	--	--	--	--	--	--	--	

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Minneapolis
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Minneapolis, MN 55401
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facsimile 6 1 2.7 4 6.4 7 5 4
www.jlgarchitects.com

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE 03.15.2017
PHASE DESIGN DEVELOPMENT
PROJECT JLG 15143
SHEET **A220**
DOOR SCHEDULE

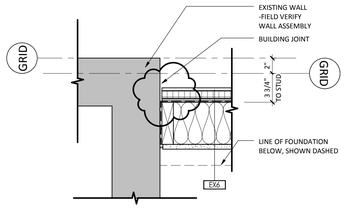
3/31/2017 2:52:27 PM

SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION
GYP BD-1	09 2116 - 5/8" FIRE-RATED TYPE 'X' GYPSUM BOARD
INSUL-1	07 2100 - PERIMETER BELOW GRADE EXTRUDED POLYSTYRENE INSULATION
SEALANT-1	07 9005 - JOINT SEALANT OR CAULKING
SEALANT-2	07 9005 - JOINT SEALANT OR CAULKING WITH BACKER ROD
SOLID SURF-20	12 3600 - 1/2" SOLID SURFACING
VNYL WDW-1	
VPR RET-1	07 2500 - 6 MIL POLY VAPOR RETARDER SHEET
VPR RET-10	07 2500 - VAPOR RETARDER; SELF-ADHERED OR LIQUID APPLIED
WD SHTG-1	06 1000 - FLOOR SHEATHING, 3/4" STURD-I-FLOOR, EXPOSURE 1, T&G

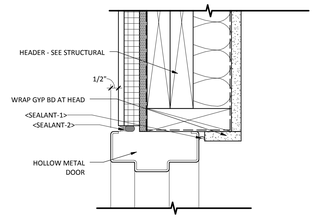
Minneapolis
801 Washington Ave N #120
Minneapolis, MN 55401
phone 6 1 2.7 4 6.4 2 6 0
facsimile 6 1 2.7 4 6.4 7 5 4
www.jlgarchitects.com

PRELIMINARY
NOT FOR CONSTRUCTION

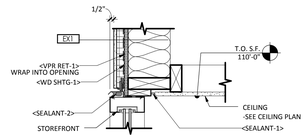
No.	Description	Date
1	Revision 1	Date



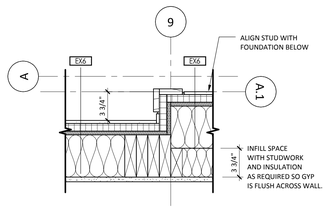
16 EX1 TO EXISTING WALL
SCALE: 1 1/2" = 1'-0"



3 HM DOOR HEAD @ EX1/EX2
SCALE: 3" = 1'-0"

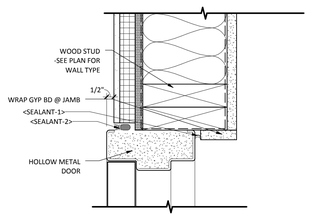


7 CANOPY EDGE @ STOREFRONT
SCALE: 1 1/2" = 1'-0"

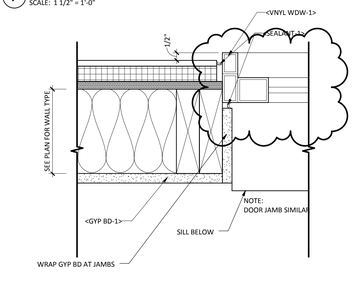


13 EX2 TO A6
SCALE: 1 1/2" = 1'-0"

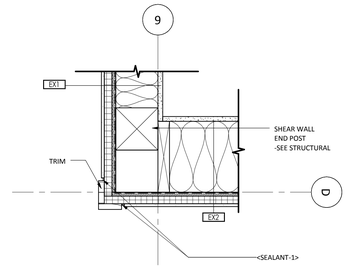
NEEDS REVIEW



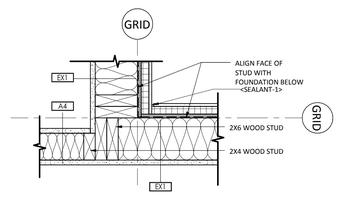
2 HM DOOR JAMB @ EX1/EX2
SCALE: 3" = 1'-0"



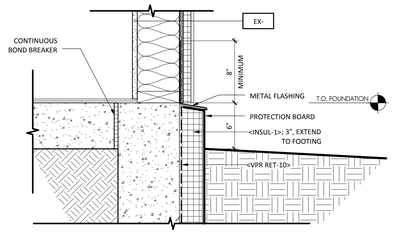
6 WINDOW/DOOR JAMB AT EX1/EX2
SCALE: 3" = 1'-0"



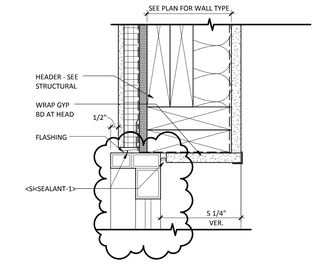
15 WALL INTERSECTION AT GRID 9/D - ABOVE EPDM ROOF
SCALE: 1 1/2" = 1'-0"



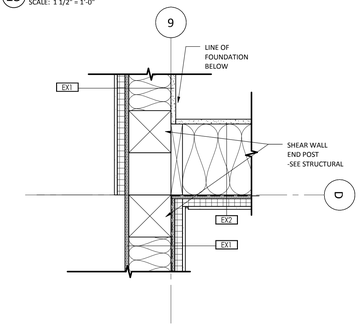
12 EX1 INSIDE CORNER DETAIL
SCALE: 1 1/2" = 1'-0"



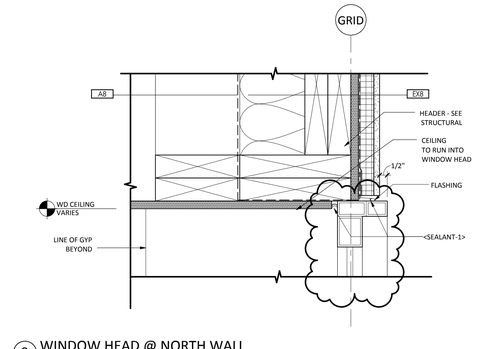
18 EXTERIOR WALL AT FOUNDATION 1
SCALE: 1 1/2" = 1'-0"



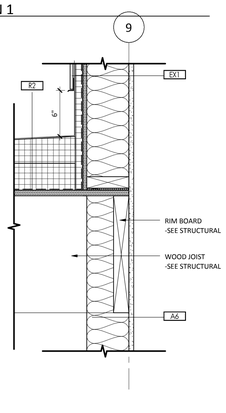
4 WINDOW HEAD @ EX1/EX2
SCALE: 3" = 1'-0"



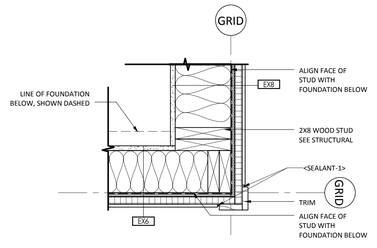
1 WALL INTERSECTION AT GRID 9/D - AT EPDM ROOF
SCALE: 1 1/2" = 1'-0"



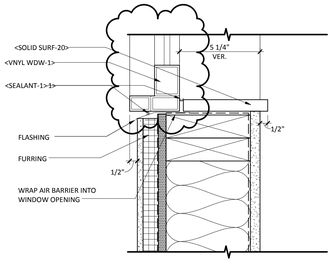
9 WINDOW HEAD @ NORTH WALL
SCALE: 3" = 1'-0"



8 ROOF TERMINATION AT GATHERING
SCALE: 1 1/2" = 1'-0"



11 EX1/EX2 CORNER DETAIL
SCALE: 1 1/2" = 1'-0"



5 WINDOW SILL @ EX6/EX8
SCALE: 3" = 1'-0"

NORTHWEST CHURCH OF CHRIST
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A250
DETAILS

3/31/2017 2:52:29 PM

SHEET MATERIAL ID LIST	
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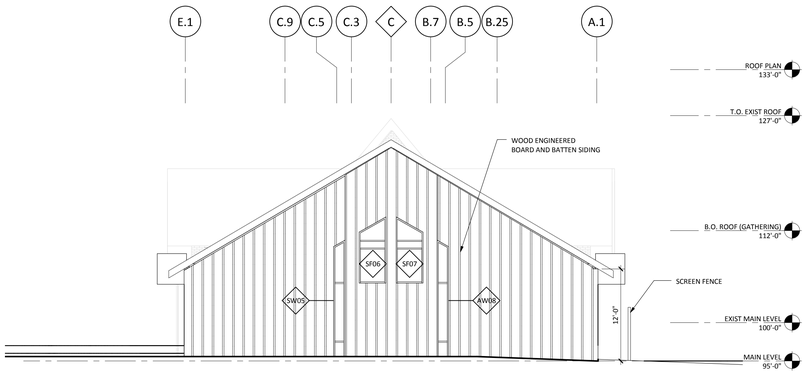
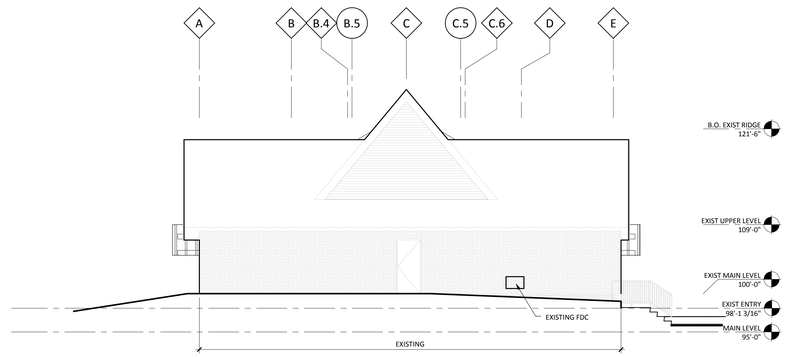


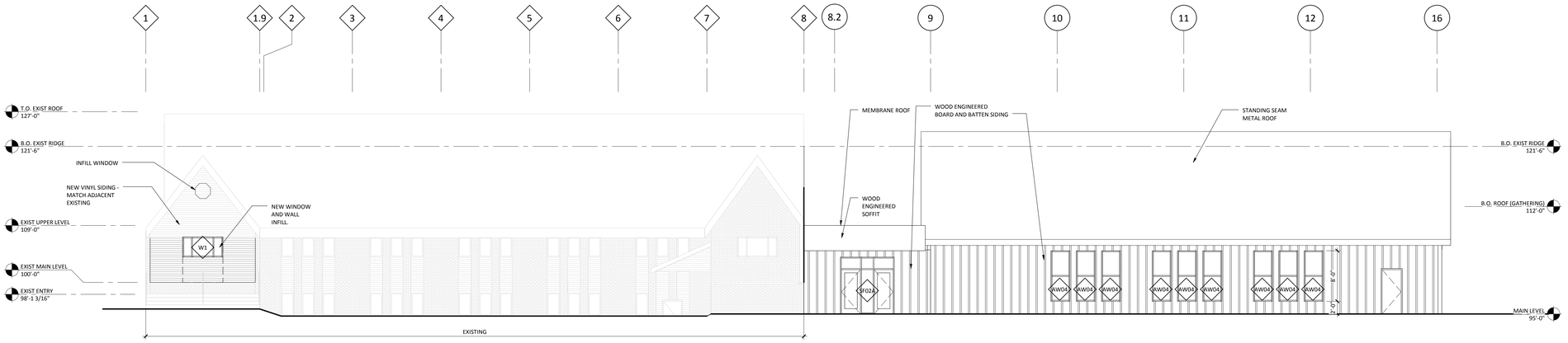
4 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



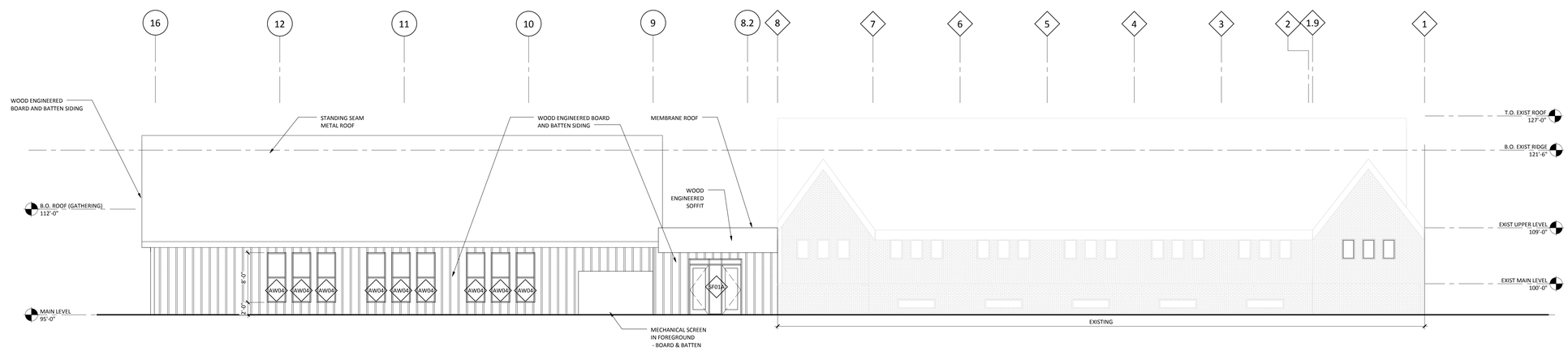
3 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

A. REFER TO A320 FOR STOREFRONT AND CURTAINWALL ELEVATIONS
B. SEE A800 FOR ALTERNATES



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



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

0 8 16 32

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A301
EXTERIOR ELEVATIONS

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SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION
GL-1	08 8000 - CLEAR ANNEALED GLASS, 1/4" THICK
INSUL GL-1	08 8000 - 1" CLEAR INSULATED GLASS
INSUL GL-20	08 8000 - 1" TINTED INSULATED GLASS
INSUL TEMP GL-1	08 8000 - I" CLEAR INSULATED TEMPERED GLASS
TEMP GL-1	08 8000 - CLEAR TEMPERED GLASS, 1/4" THICK

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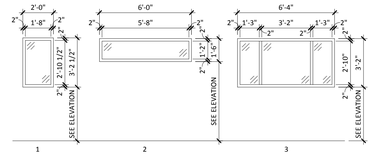
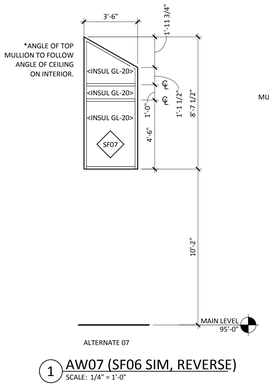
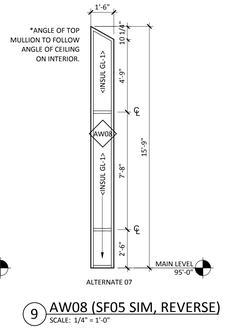
GLAZING FRAME TYPES

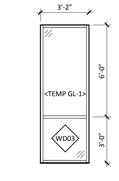




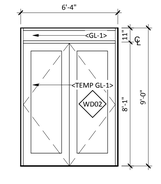
1 AW07 (SF06 SIM, REVERSE)
SCALE: 1/4" = 1'-0"



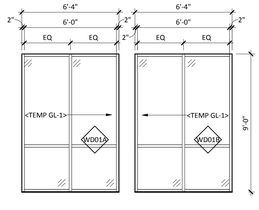
9 AW08 (SF05 SIM, REVERSE)
SCALE: 1/4" = 1'-0"



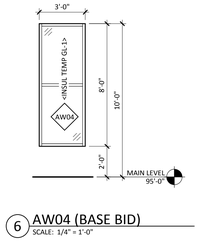
5 WD03 (WD04 SIM)
SCALE: 1/4" = 1'-0"



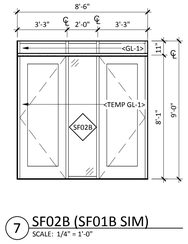
4 WD02 (WD05 SIM)
SCALE: 1/4" = 1'-0"



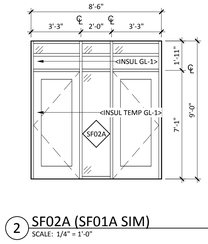
3 WD01A & WD01B
SCALE: 1/4" = 1'-0"



6 AW04 (BASE BID)
SCALE: 1/4" = 1'-0"



7 SF02B (SF01B SIM)
SCALE: 1/4" = 1'-0"



2 SF02A (SF01A SIM)
SCALE: 1/4" = 1'-0"

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A320
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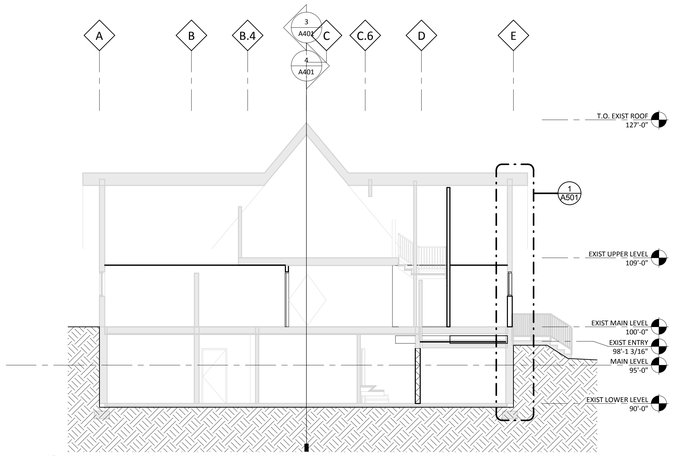
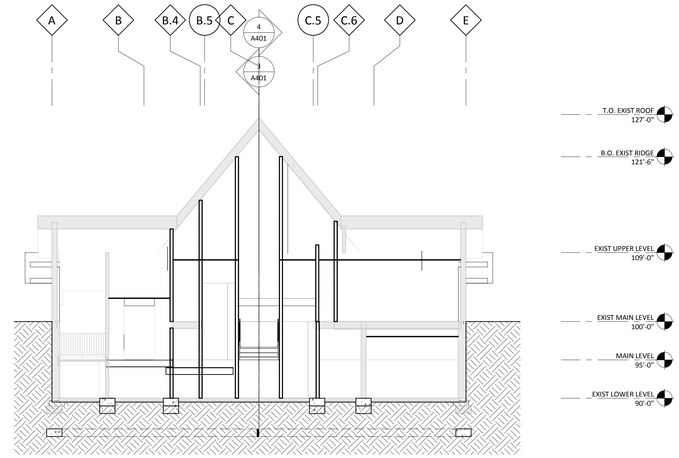
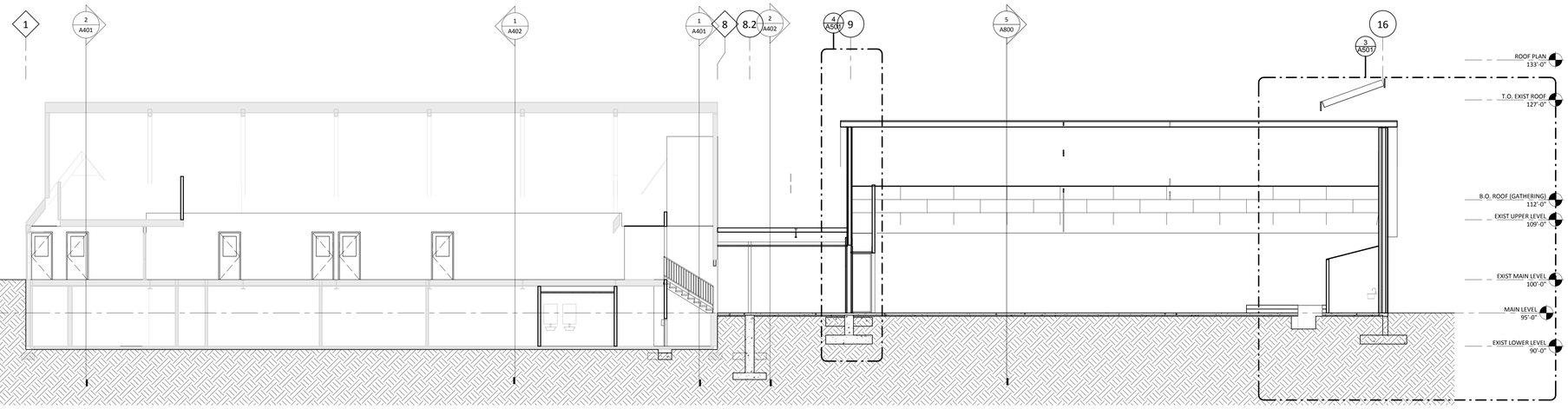


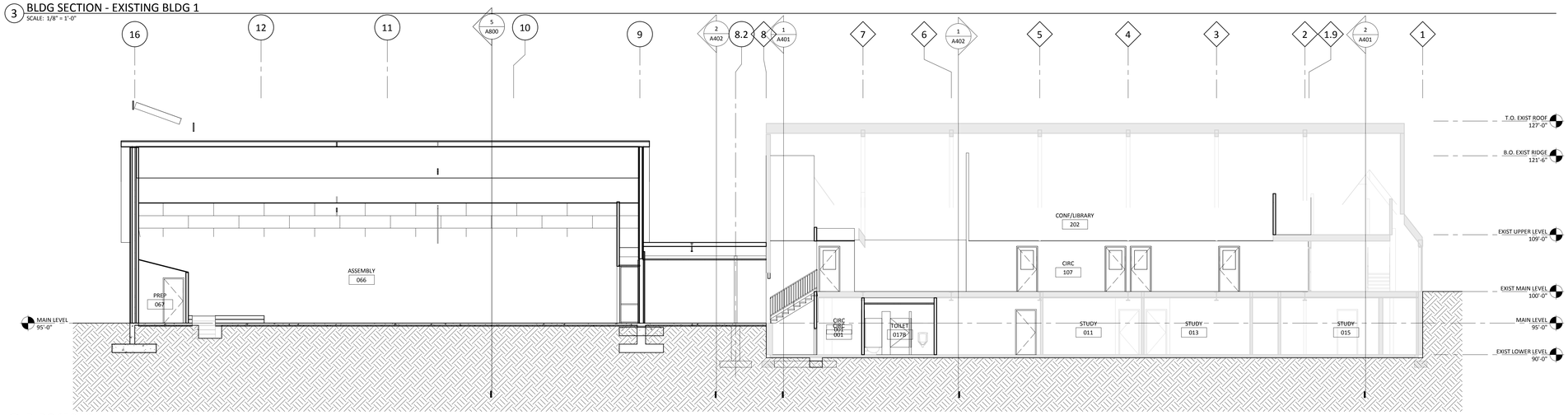
2 BLDG SECTION - EXISTING DORMER 2
SCALE: 1/8" = 1'-0"



1 BLDG SECTION - EXISTING DORMER 1
SCALE: 1/8" = 1'-0"



3 BLDG SECTION - EXISTING BLDG 1
SCALE: 1/8" = 1'-0"



4 BLDG SECTION - EXISTING BLDG 2
SCALE: 1/8" = 1'-0"

3/31/2017 2:02:38 PM

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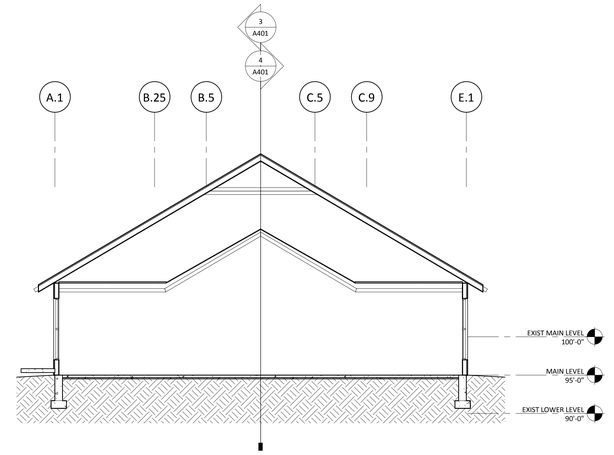
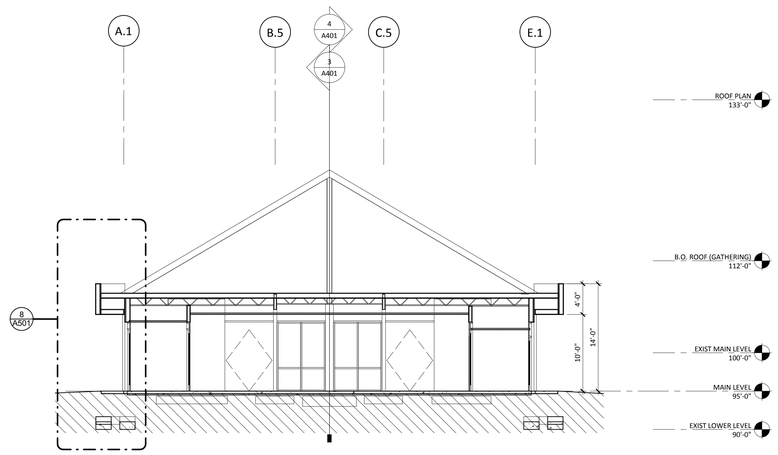
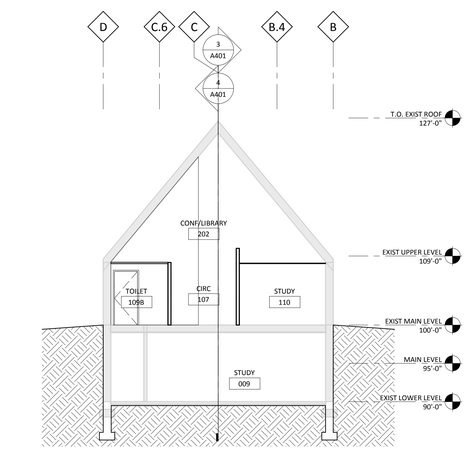


3 BLDG SECTION - ASSEMBLY
SCALE: 1/8" = 1'-0"



2 BLDG SECTION - GATHERING
SCALE: 1/8" = 1'-0"



1 BLDG SECTION - EXISTING SANCTUARY
SCALE: 1/8" = 1'-0"

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A402
BUILDING SECTION

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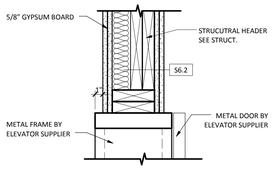
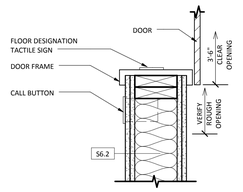
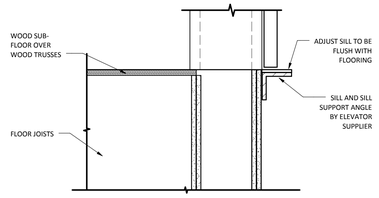


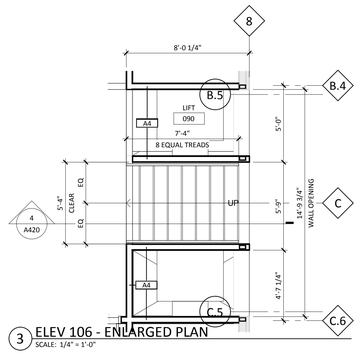
17 DETAIL C - HEAD
SCALE: 1 1/2" = 1'-0"



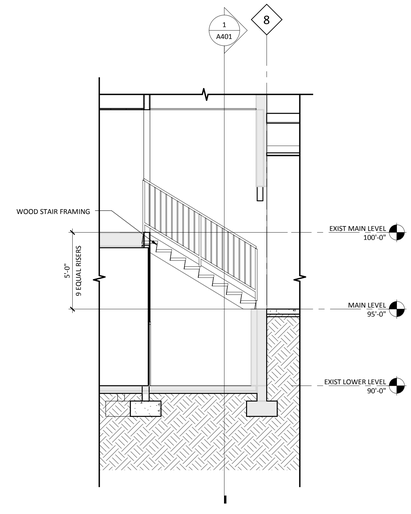
18 DETAIL D - JAMBS
SCALE: 1 1/2" = 1'-0"



19 DETAIL E - SILL
SCALE: 1 1/2" = 1'-0"



3 ELEV 106 - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



4 ELEV 106 - SECTION 1
SCALE: 1/4" = 1'-0"

NW CHURCH OF CHRIST

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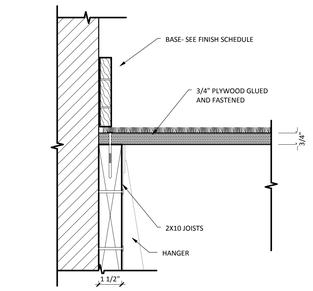
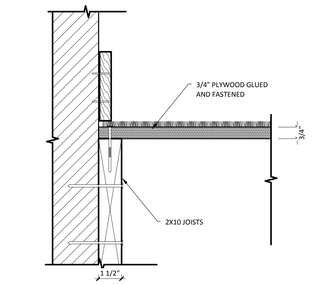
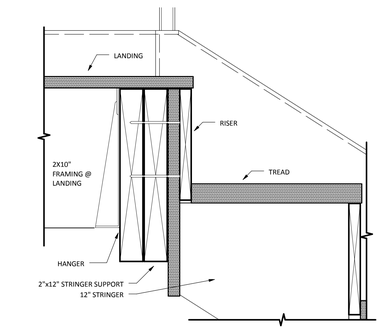


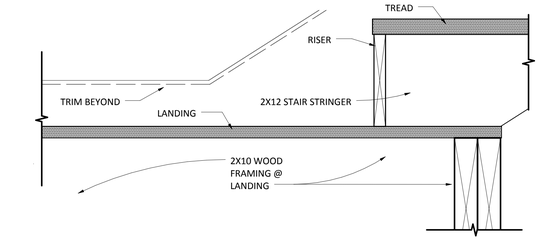
14 STAIR LANDING A1
SCALE: 3" = 1'-0"



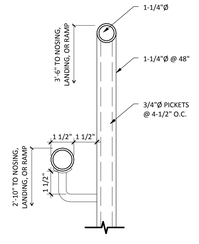
15 STAIR LANDING B1
SCALE: 3" = 1'-0"



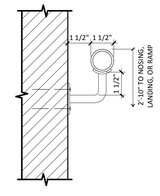
17 STAIR LANDING D1
SCALE: 3" = 1'-0"



16 STAIR LANDING C1
SCALE: 3" = 1'-0"



4 HANDRAIL AT GUARDRAIL
SCALE: 3" = 1'-0"



5 HANDRAIL AT WALL
SCALE: 3" = 1'-0"

NORTHWEST CHURCH OF CHRIST
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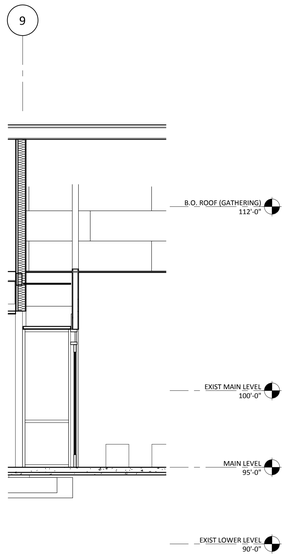
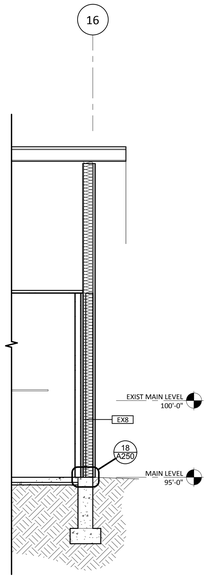
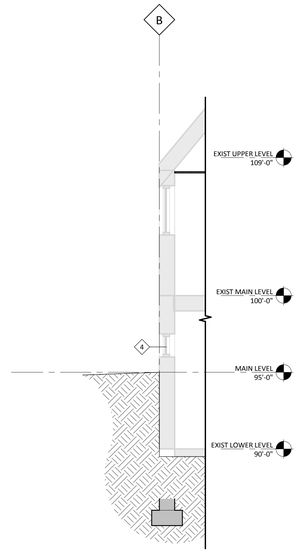


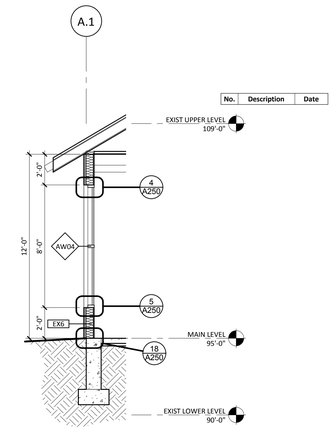
12 ASSEMBLY ENTRY VESTIBULE SOFFIT
SCALE: 1/4" = 1'-0"



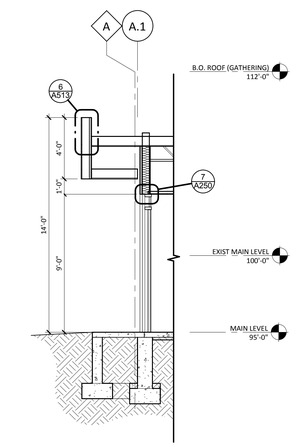
11 WALL SECTION XX.1
SCALE: 1/4" = 1'-0"



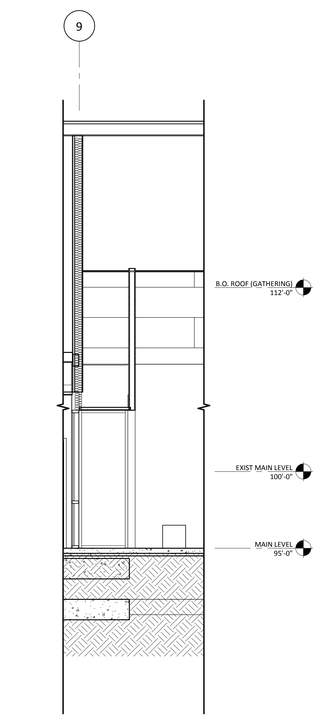
10 Section 31
SCALE: 1/4" = 1'-0"



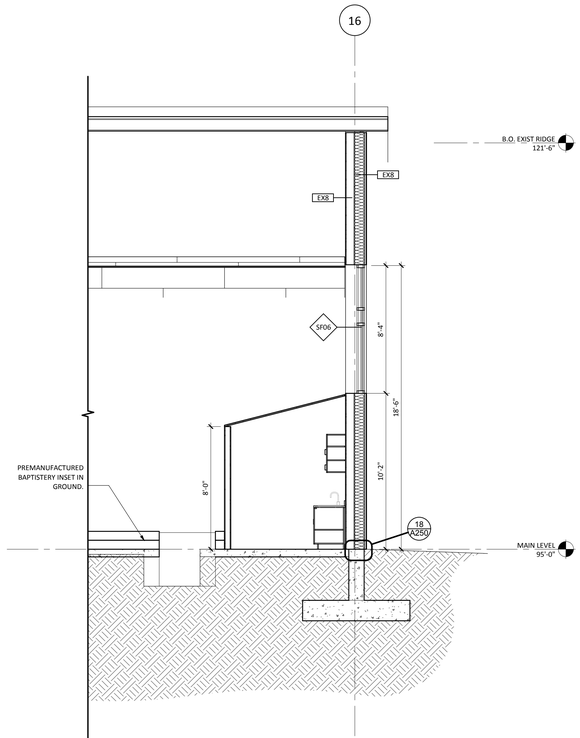
9 Section 30
SCALE: 1/4" = 1'-0"



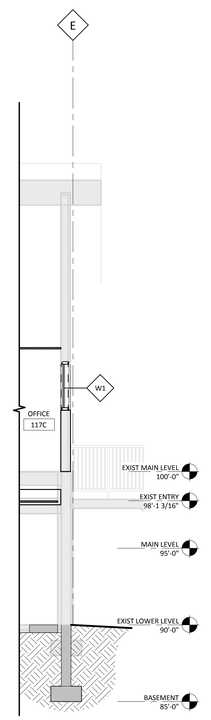
8 Section 29
SCALE: 1/4" = 1'-0"



4 Section 25
SCALE: 1/4" = 1'-0"



3 Section 24
SCALE: 1/4" = 1'-0"



1 WALL SECTION AT WINDOW INFILL
SCALE: 1/4" = 1'-0"

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
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PHASE
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PROJECT
JLG 15143
SHEET
A501
WALL SECTIONS

3/31/2017 2:52:44 PM

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No.	Description	Date

NORTHWEST CHURCH OF CHRIST

NW CHURCH OF CHRIST

8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
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SHEET
A502
WALL SECTIONS

SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION
EPDM-2	07 5300 - FULLY ADHERED EPDM ROOFING SYSTEM

Minneapolis
801 Washington Ave N #120
Minneapolis, MN 55401
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ROOF DETAILS TO BE REVIEWED AS PROJECT PROGRESSES

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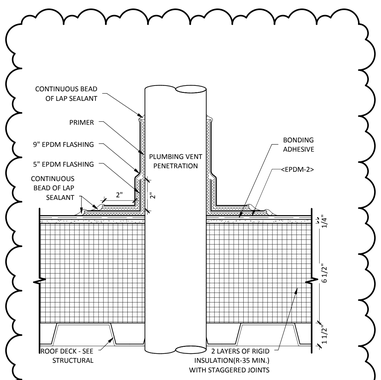
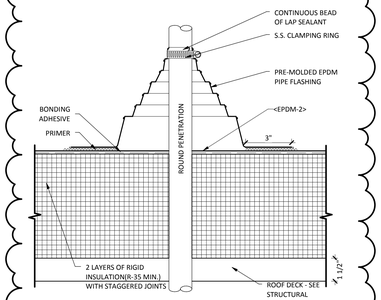
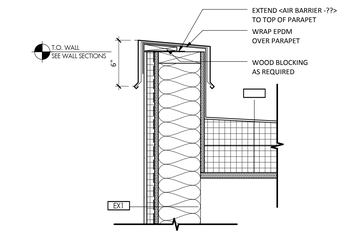
No.	Description	Date
1	Revision 1	Date



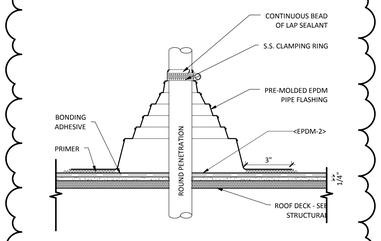
4 PLUMBING VENT W/ FIELD FAB. FLASHING
SCALE: 3" = 1'-0"



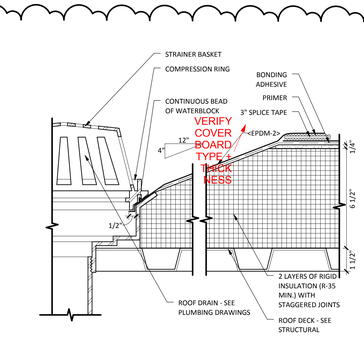
3 PENETRATION W/PRE-MOLDED PIPE FLASHING
SCALE: 3" = 1'-0"



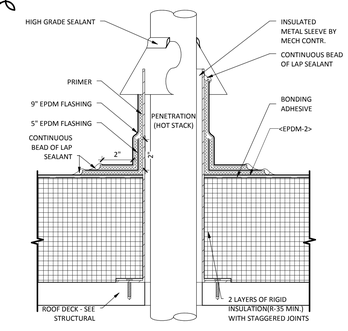
6 ROOF PARAPET AT EPDM
SCALE: 1 1/2" = 1'-0"



2 PENETRATION W/ PRE-MLD PIPE FLSH
SCALE: 3" = 1'-0"



5 PRIMARY ROOF DRAIN
SCALE: 3" = 1'-0"



1 PENETRATION (HOT STACK) W/ FIELD FAB. FLASHING
SCALE: 3" = 1'-0"

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

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PROJECT
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SHEET
A513
ROOF DETAILS

3/31/2017 2:52:45 PM

SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION

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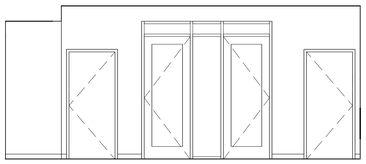
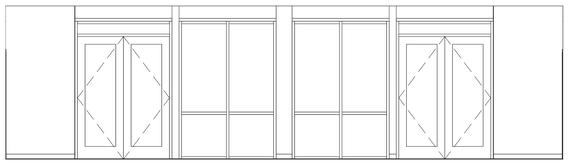
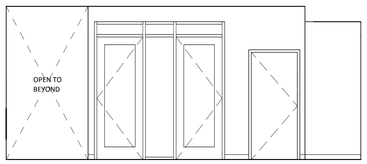


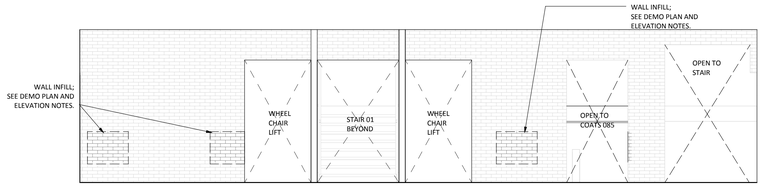
8 GATHERING EAST ELEVATION
SCALE: 1/4" = 1'-0"



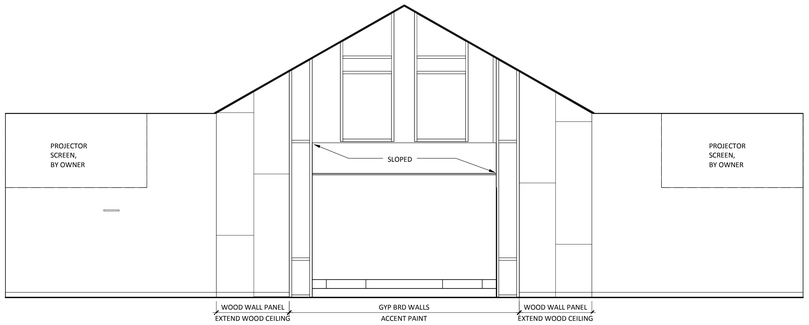
6 GATHERING NORTH ELEVATION
SCALE: 1/4" = 1'-0"



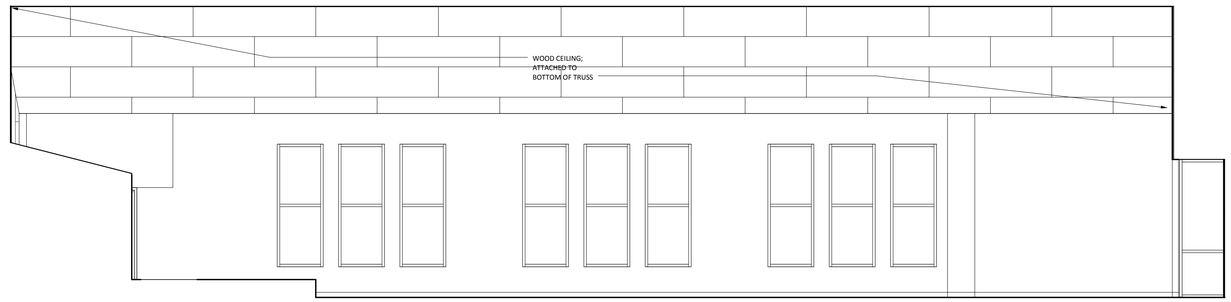
7 GATHERING WEST ELEVATION
SCALE: 1/4" = 1'-0"



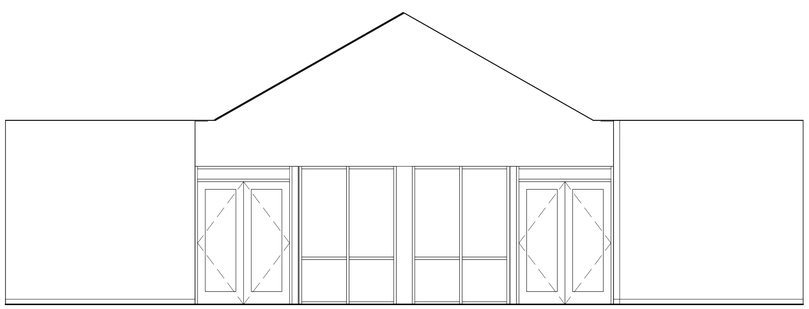
5 GATHERING SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



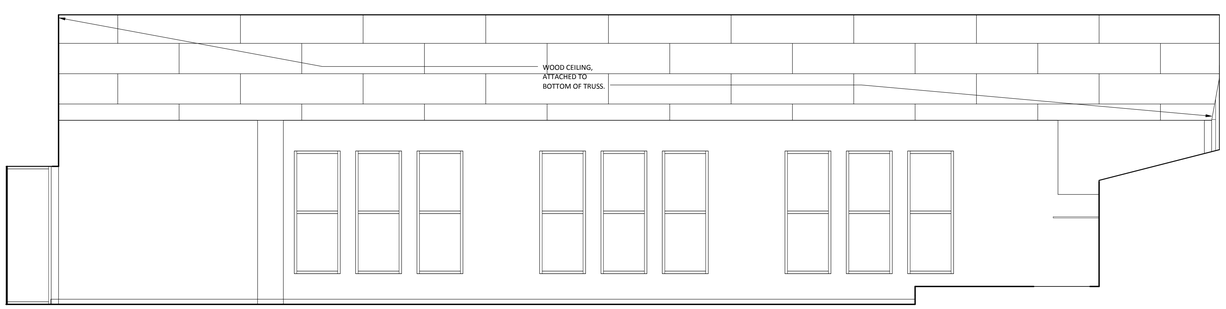
2 ASSEMBLY 103A - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



3 ASSEMBLY 103A - EAST ELEVATION
SCALE: 1/4" = 1'-0"



1 ASSEMBLY 103 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



4 ASSEMBLY 103A - WEST ELEVATION
SCALE: 1/4" = 1'-0"

No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
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PHASE
DESIGN
DEVELOPMENT
PROJECT
JLG 15143
SHEET
A610
INTERIOR ELEVATIONS

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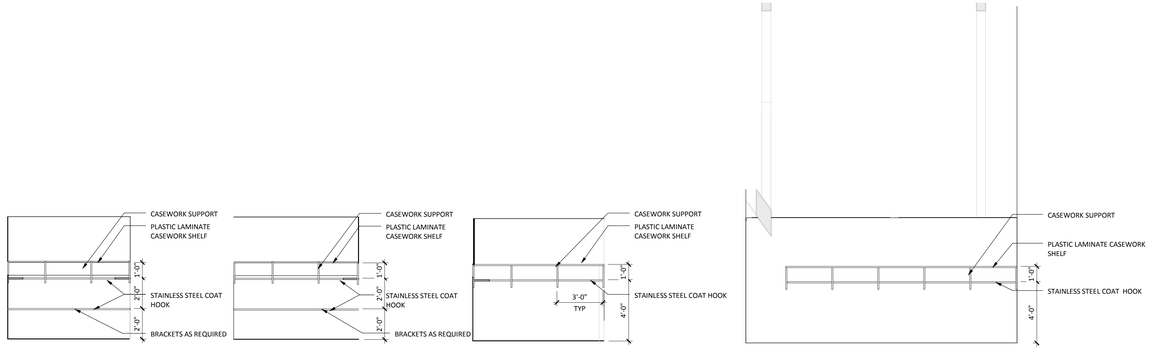
No.	Description	Date

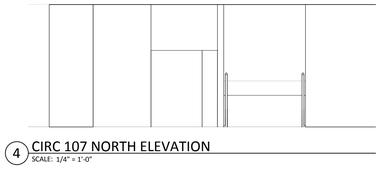


8 COAT ROOM WEST ELEVATION
SCALE: 1/4" = 1'-0"

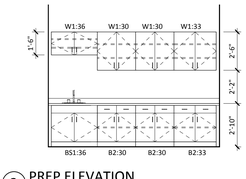
7 COAT ROOM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

6 COAT ROOM NORTH ELEVATION
SCALE: 1/4" = 1'-0"

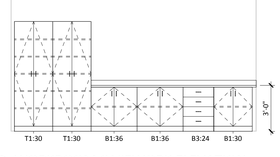
5 CIRCULATION COAT HOOK
SCALE: 1/4" = 1'-0"



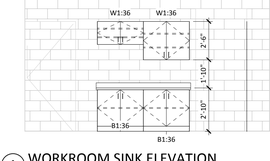
4 CIRC 107 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



3 PREP ELEVATION
SCALE: 1/4" = 1'-0"



2 WORKROOM CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



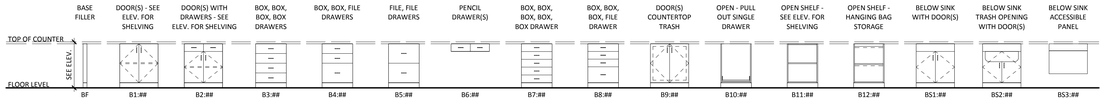
1 WORKROOM SINK ELEVATION
SCALE: 1/4" = 1'-0"

3/1/2017 2:52:51 PM

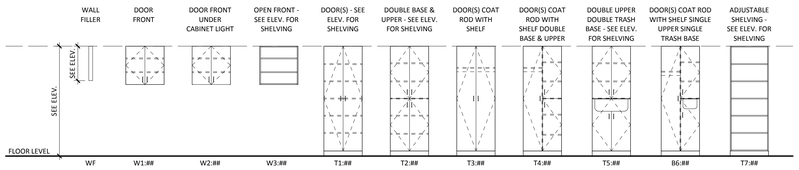
NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
03.15.2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
A611
INTERIOR ELEVATIONS

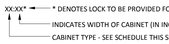
BASE CABINETS



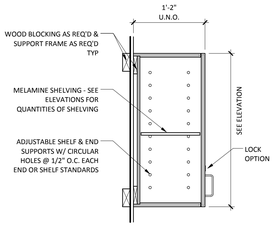
WALL AND TALL CABINETS



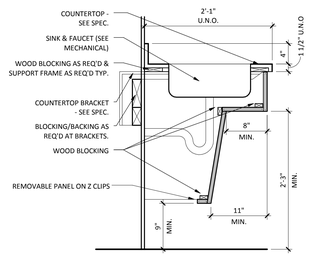
CASEWORK GENERAL NOTES



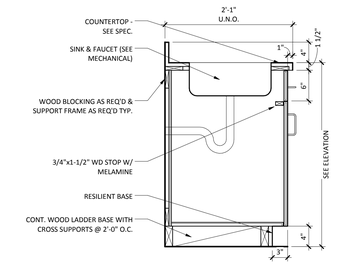
1. CASEWORK & ARCHITECTURAL WOODWORK CONTRACTOR(S) SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS TO PROPERLY DETERMINE CONTRACTUAL RESPONSIBILITIES.
2. FOR ACTUAL ROOM DIMENSIONS REFER TO FLOOR PLANS. CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS BEFORE FABRICATION.
3. OVERALL LENGTH OF TOPS SHALL BE DETERMINED BY CASEWORK DIMENSIONS AS INDICATED ON PLANS. SUCH LENGTHS SHALL REMAIN CONSTANT REGARDLESS OF SUCCESSFUL BIDDER'S STANDARDS.
4. OVERALL HEIGHT OF BASE CABINET TOPS MUST BE MAINTAINED AS SHOWN ON INTERIOR ELEVATIONS.
5. INSTALLATION OF CASEWORK SHALL BEGIN AT THE HIGH POINT OF THE ROOM WITH ANY LEVELERS IN AS FAR AS POSSIBLE.
6. COUNTERTOPS AND SPLASHES SHALL BE SCRIBED TO MATCH IRREGULARITIES AND CONTOURS OF WALLS.
7. CASEWORK SHALL BE INSTALLED ON TOP OF FINISHED VCT, OR WELDED SHEET FLOORING WHERE THESE FLOOR FINISHES ARE SCHEDULED.
8. PROVIDE FINISHED BACK & END PANELS TO COMPLETE THE ENCLOSURE OF ALL CABINETRY TO WALLS AND ADJACENT CABINETRY.
9. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. PROVIDE EQUAL SIZED FILLERS AT WALLS WHERE CONTINUOUS RUN OF CASEWORK ABUTS TWO WALLS.
11. PROVIDE BRACKET AT ANY COUNTER OR SHELF SPANNING MORE THAN 4'-0" UNSUPPORTED.
12. DOORS IN TALL CABINETS (TYPE 'T' CABINETS) SHALL BE 3/4" THICK.
13. SEE INTERIOR ELEVATIONS FOR LOCKING CONFIGURATIONS AND LOCATIONS.
14. SEE INTERIOR ELEVATIONS FOR ALL FINISHES.
15. PROVIDE GROMMET HOLES AT ALL COUNTERTOPS WITH KNEE SPACE. LOCATE GROMMETED OPENINGS IN FIELD (COOR. W/MISC. EQUIPMENT) AT 4'-0" O.C. MAX, AND 1 PER COUNTER MIN.
16. BASE FINISH AT CABINETS SHALL BE RESILIENT BASE.
17. INTERIOR FINISH AT OPEN CABINETS WITHOUT DOORS SHALL MATCH THE COLOR, MATERIAL AND FINISH OF ADJACENT CABINET EXTERIORS, U.N.O.
18. CONCEALED CABINET BACKS, DRAWER BODY, AND DRAWER BOTTOMS: 1/2" THICKNESS.
19. DOOR AND DRAWER FACE, WALL AND TALL CABINET TOP AND BOTTOMS, CABINET SIDES, DRAWER SPREADERS, CABINET BACK REAR HANGSTRIPS, STRUCTURAL DIVIDERS, EXPOSED CABINET BACKS, AND SHELVES OF LESS THAN 30 INCH SPACE: 3/4" THICKNESS.
20. SHELVES OVER 30 INCH SPAN AND LIBRARY STACK SHELVING: 1" THICKNESS.



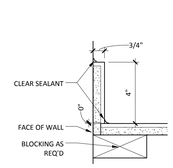
24 W1 - WALL CAB. DOOR FRONT
SCALE: 1" = 1'-0"



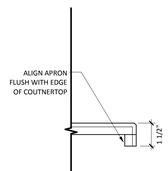
23 BS3 - BELOW SINK ACCESSIBLE PANEL
SCALE: 1" = 1'-0"



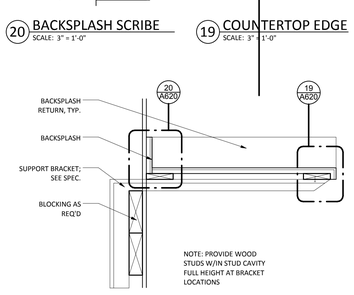
21 BS1 - BELOW SINK CABINET
SCALE: 1" = 1'-0"



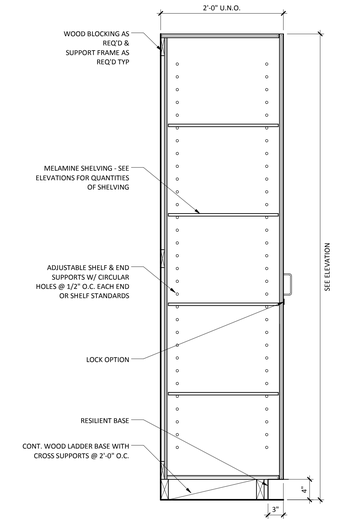
20 BACKSPLASH SCRIBE
SCALE: 3" = 1'-0"



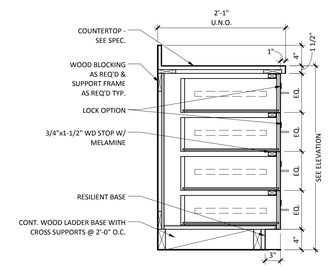
19 COUNTERTOP EDGE
SCALE: 3" = 1'-0"



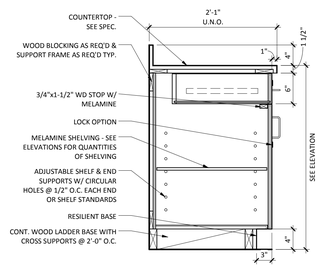
18 COUNTERTOP
SCALE: 1 1/2" = 1'-0"



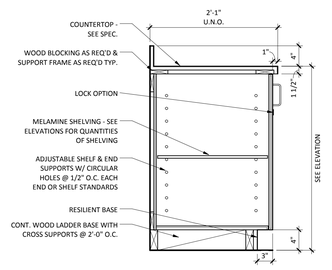
13 T1 - TALL CAB. W/ DOOR(S)
SCALE: 1" = 1'-0"



3 B3 - BASE CAB. 4 BOX
SCALE: 1" = 1'-0"



2 B2 - BASE CAB. W/ DOOR, DRAWER
SCALE: 1" = 1'-0"



1 B1 - BASE CAB. WITH DOOR(S)
SCALE: 1" = 1'-0"

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No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

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PROJECT
JLG 15143
SHEET
A620
CASEWORK SCHEDULE

3/3/2017 2:52:02 PM

SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	BASE	FLOOR	CEILING	WALLS				REMARKS
					NORTH	EAST	SOUTH	WEST	
01	STAIR	-	CPT TILE-1	GYP BD-1	PT-1	PT-1	PT-1	PT-1	
001	CIRC	RB BASE-1	CPT TILE-1	ACT-1	PT-1	PT-1	PT-1	PT-1	
001A	CIRC	-	-	EXIST	-	-	-	-	
02	STAIR	-	-	-	-	-	-	-	
03	STAIR	RB BASE-1	CPT TILE-1	-	PT-1	PT-1	PT-1	PT-1	
003	MECH	RB BASE-1	CONC SLR-1	-	-	-	-	-	
004	ELEC/MECH	RB BASE-1	CONC SLR-1	-	-	-	-	-	
008	MECH	-	-	-	-	-	-	-	
009	STUDY	-	-	-	-	-	-	-	
011	STUDY	-	-	-	-	-	-	-	
012	STUDY	-	-	-	-	-	-	-	
013	STUDY	-	-	-	-	-	-	-	
014	WORKROOM	-	LVT-1	-	-	-	-	-	
014A	CIRC	-	-	-	-	-	-	-	
014B	WORKROOM	-	-	-	-	-	-	-	
015	STUDY	-	-	-	-	-	-	-	
016	STUDY	RB BASE-1	CPT TILE-1	ACT-1	PT-1	PT-1	PT-1	PT-1	
017A	TOILET	-	CER TILE-20	GYP BD-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10 TO 4'-0" AFF PT-1 ABOVE
017B	TOILET	-	CER TILE-20	GYP BD-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	
026	WOMENS TOILET	-	CER TILE-20	GYP BD-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	PT-1	
027	MENS TOILET	-	CER TILE-20	GYP BD-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	PT-1	
066	ASSEMBLY	RB BASE-1	CPT TILE-1	WD PNL-1/PT-1	WD PNL-1/PT-1	PT-1	PT-1	PT-1	
067	PREP	RB BASE-1	LVT-1	ACT-1	PT-1	PT-1	PT-1	PT-1	
083	CRAWL SPACE	-	-	-	-	-	-	-	
085	COATS	RB BASE-1	CPT TILE-1	ACT-1	PT-1	PT-1	PT-1	PT-1	
086	MECH	-	-	-	-	-	-	-	
088	MECH	-	-	-	-	-	-	-	
089	LIFT	-	-	-	-	-	-	-	
090	LIFT	-	-	GYP BD-1	PT-1	PT-1	PT-1	PT-1	
100	VESTIBULE	RB BASE-1	CPT TILE-2	GYP BD-1	PT-1	PT-1	PT-1	PT-1	
101	VESTIBULE	RB BASE-1	CPT TILE-2	GYP BD-1	PT-1	PT-1	PT-1	PT-1	
102	GATHERING	RB BASE-1	CPT TILE-1	ACT-1	PT-1	PT-1	PT-1	PATCH BRICK/PT-1	AT EXISTING WEST WALL PATCH BRICK AT NEW OPENINGS
102A	JAN	RB BASE-1	CONC SLR-1	-	FRP-1/PT-1	FRP-1/PT-1	FRP-1/PT-1	FRP-1/PT-1	FRP-1 TO 4'-0"AFF PAINT ABOVE
107	CIRC	RB BASE-1	CPT TILE-1	-	PT-1	PT-1	PT-1	PT-1	
108A	STUDY	RB BASE-1	CPT TILE-1	ACT-1	PT-1	PT-1	PT-1	PT-1	
108B	TOILET	-	CER TILE-20	GYP BD-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10 TO 4'-0" AFF PT-1 ABOVE
109A	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
109B	TOILET	-	CER TILE-20	GYP BD-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10/PT-1	CER TILE-10 TO 4'-0" AFF PT-1 ABOVE
110	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
111	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
112	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
113	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
114	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
115	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
116	STUDY	RB BASE-1	REFINISH	ACT-1	PT-1	PT-1	PT-1	PT-1	
117	LOBBY	RB BASE-1	-	-	PT-1	PT-1	PT-1	PT-1	
117A	STUDY	RB BASE-1	CPT TILE-1	-	PT-1	PT-1	PT-1	PT-1	
117B	OFFICE	RB BASE-1	CPT TILE-1	-	PT-1	PT-1	PT-1	PT-1	
117C	OFFICE	RB BASE-1	CPT TILE-1	ACT-1	PT-1	PT-1	PT-1	PT-1	
202	CONF/LIBRARY	-	-	-	-	-	-	-	

SPEC SECTION	MATERIAL ID	SPEC INFO
06 4100 Architectural Wood Casework	PLAM CASE-1	Manufacturer: Formica Color: Aged Ash 8844-WR Finish: Woodbrush
	WD PNLG-1	Birch Plywood
08 1416 Flush Wood Doors	WD DOORS AND Frames	Maple
09 3000 TILING		
	CER TILE-10	Distributor: Daltile Manufacturer: Daltile Collection: Elevare Color: Lunar EL40 Size: 4" x 16" Instal Pattern: Stacked
	CER TILE-20	Distributor: Daltile Manufacturer: Daltile Collection: Volume 1.0 Color: TBD Size: 12" x 24" Instal Pattern: Staggered
09 5100 Acoustical Ceilings	ACT-1	Manufacturer: USG
09 6500 Resilient Flooring		
	LVT-1	Manufacturer: Mannington Collection: Spacia First Abstract & Stone Color: TBD Size: 6" x 36"
	RB BASE-1	Manufacturer: Johnsonite Color: TBD
09 6813 Carpet tile		
	CPT TILE-1	Manufacturer: Mannington Commercial Collection: Frenemy Style Name: Stock Color Name: GDP Color Number: 83289 Size: 24" x 24" Installation Method: TBD by Architect
	CPT TILE-2	Manufacturer: Bolyu Collection: Modern Weave Style Name: Crossing BL Color Name: Denim Color Number: CSG48 Size: 24" x 24" Installation Method: TBD by Architect
09 9000 Painting and Coating		
	PT-1	Manufacturer: Sherwin Williams Color: SW 7045 Intellectual Gray
	PT-2	Manufacturer: Sherwin Williams Color: SW 7048 Urbane Bronze
	PT-3	Manufacturer: Sherwin Williams Color: SW 7008 Alabastar
12 3600 Countertops	PLAM CTOP-1	Manufacturer: Wilsonart Laminate Color: Steel Mesh 4879-38

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No.	Description	Date

NORTHWEST CHURCH OF CHRIST
NW CHURCH OF CHRIST
8624 50TH AVENUE NORTH NEW HOPE, MN 55428

DATE
03.15.2017
PHASE
DESIGN DEVELOPMENT
PROJECT
JLG 15143
SHEET
A650
FINISH SCHEDULE

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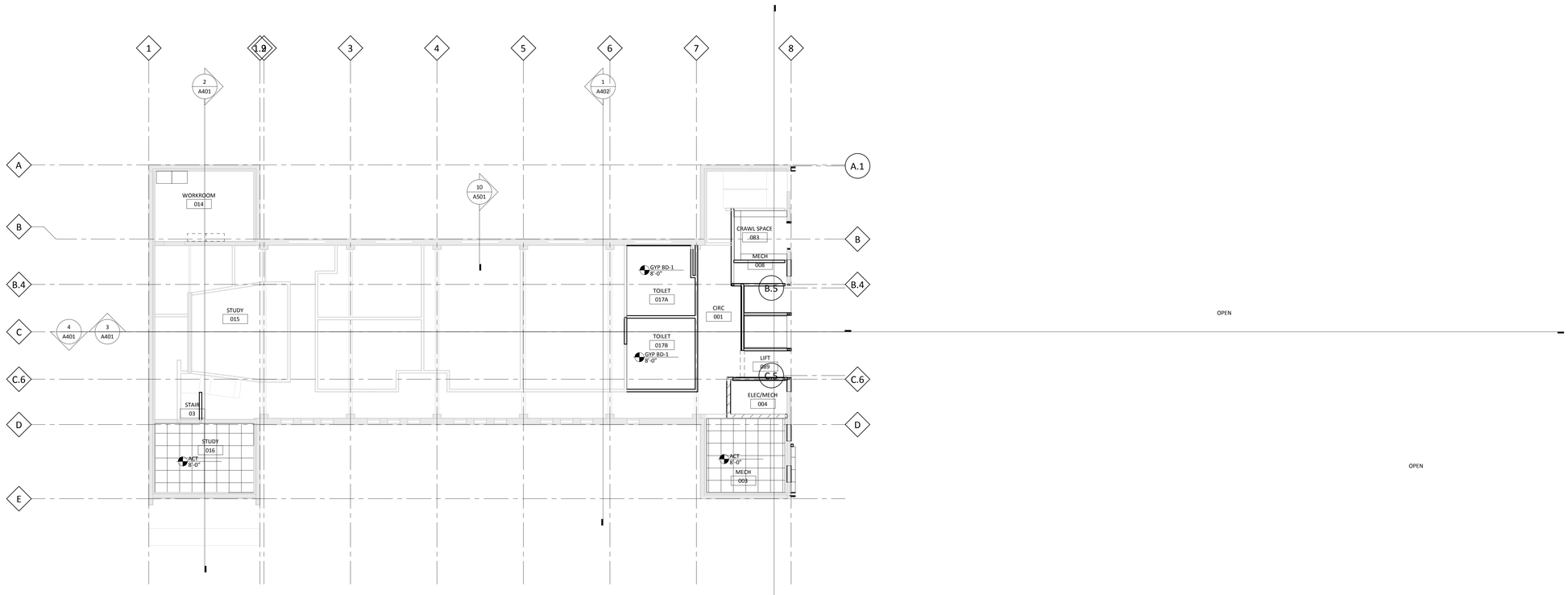
2 MAIN LEVEL CEILING PLAN
SCALE: 1/8" = 1'-0"



1 LOWER LEVEL CEILING PLAN
SCALE: 1/8" = 1'-0"

CEILING PLAN GENERAL NOTES

A. COORDINATE FINAL SIZE AND FINAL LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING SAME.
B. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTING DEVICES.
C. FOR PARTITION TYPES, SEE SHEET AX-XXX
D. ALL EXISTING WALLS IN PROJECT AREA TO MEET FIRE RATINGS INDICATED ON REFLECTED CEILING PLAN.
E. CEILING GRID SYSTEM TO BE CENTERED IN ROOM IN BOTH DIRECTIONS UNLESS NOTED OTHERWISE.
F. NO CEILING PANEL TO BE CUT TO LESS THAN 6" WIDTH AT CEILING PANEL INSTALLATION TYPICAL.
G. AT CONDITIONS WHERE CEILING TILE PADS EXCEED 2'-0" TRIM 2'X4' CEILING PADS AS REQUIRED TO FIT.
H. SPRINKLER HEADS TO BE LOCATED IN THE CENTER OF CEILING PANELS TYPICALLY.
I. PAINT ALL EXPOSED (VISUAL) CONSTRUCTION ABOVE CEILINGS INCLUDING BUT NOT LIMITED TO MECH. AND ELECTRICAL ITEMS. SEE NOTES ON SHEET FOR EXTENT OF SCOPE.
J.
K. VERIFY EXACT LOCATIONS OF SOFFIT AND CEILING CONTROL JOINTS WITH THE ARCHITECTS REPRESENTATIVE IN THE FIELD. REFER TO AQ-XX SERIES DRAWINGS FOR LOCATIONSOF CEILING MOUNTED EQUIPMENT, I.E. EMERGENCY SHOWER CURTAINS, FUME HOODS, ETC. REFER TO DETAILS "XX" FOR CONSTRUCTION.
L. REFER TO DETAIL "XX" FOR PENETRATION OF UNISTRUT IN ACOUSITC CEILING.
M. COORDINATE THE LOCATION OF ESCUTCHEON PLATES AT CEILING PANEL PENETRATIONS WITH ELECTRICAL AND MECHANICAL TRADES.
N. SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND NIGHT LIGHT LOCATIONS.
O. PATCH AND REPAIR THE EXISTING CEILING PANELS AND GRID WHERE WALLS WERE REMOVED.
P. CONTRACTOR SHALL MAINTAIN THE FIRE RATING INTEGRITY OF ALL EXISTING PARTITIONS INDICATED AS FIRE RESISTANCE RATED. ADVISE THE ARCHITECT OF ANY PRE-EXISTING BREACHES DISCOVERED IN THE COURSE OF WORK.
Q.

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ALTERNATE LIST

ALTERNATE #1: 14'-0" HIGH WALLS AT ASSEMBLY SPACE. MAY BE COMBINED WITH EITHER THE BASE TRUSS OPTION OR THE ADD ALTERNATE TRUSS OPTION. SEE STRUCTURAL FOR STRUCTURAL CHANGES

ALTERNATE #2: INSTALL SCISSOR TRUSS IN LIEU OF BASE TRUSS OPTION WITH BEAM AND COLUMNS. THIS ALTERNATE MAYBE CHOSEN INDEPENDENT OF ALTERNATE #1. SEE STRUCTURAL FOR STRUCTURAL CHANGES

ALTERNATE #3: ADD ASSEMBLY SPACE NORTH WALL/ROOF CUPOLA. SEE ARCHITECTURAL AND STRUCTURAL FOR DIMESIONS AND DETAILS.

ALTERNATE #4: ADD EAST & WEST ASSEMBLY WALL DORMERS. SEE ARCHITECTURAL AND STRUCTURAL FOR DIMENSIONS AND DETAILS.

ALTERNATE #5: WATER SERVICE: MODIFY WATER SERVICE TO CONNECT AT SOUTH SIDE OF SITE AT 50TH AVE

ALTERNATE #6: ASPHALT SHINGLE ROOF IN LIEU OF STANDING SEAM METAL ROOF AT ASSEMBLY SPACE

ALTERNATE #7: REMOVE NORTH WALL WINDOWS (DEDUCT)

ALTERNATE #8: BASE BID PROVIDE ACOUSTICAL CEILING GRID. ALTERNATE: PROVIDE AND INSTALL 2X2 ACOUSTICAL CEILING TILE AT NEW STUDY SPACES. SEE REFLECTED CEILING PLAN FOR EXTENTS.

ALTERNATE #9: BASE BID PAINTED METAL TOILET PARTITIONS. ALTERNATE: PHENOLIC PARTITIONS

SHEET MATERIAL ID LIST	
MATERIAL ID	SPEC SECTION & DESCRIPTION
INSUL GL-1	08 8000 - 1" CLEAR INSULATED GLASS
INSUL GL-20	08 8000 - 1" TINTED INSULATED GLASS

EXTERIOR ELEVATION GENERAL NOTES

A. REFER TO A320 FOR STOREFRONT AND CURTAINWALL ELEVATIONS
B. SEE A800 FOR ALTERNATES

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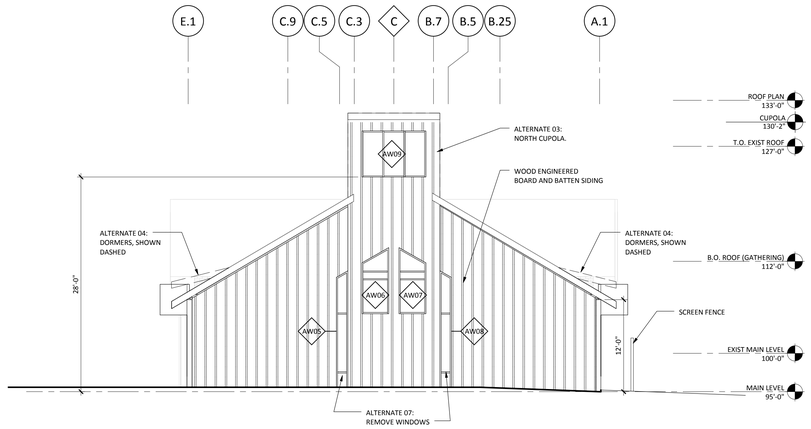
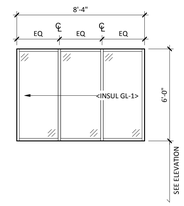
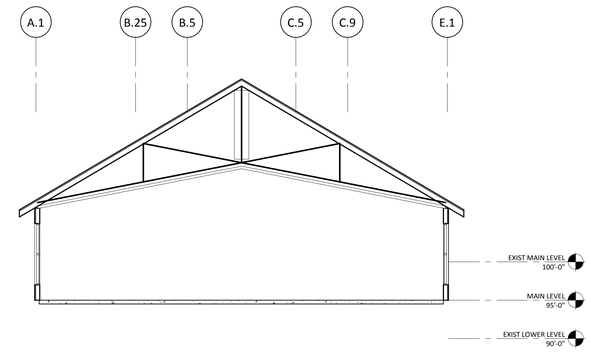


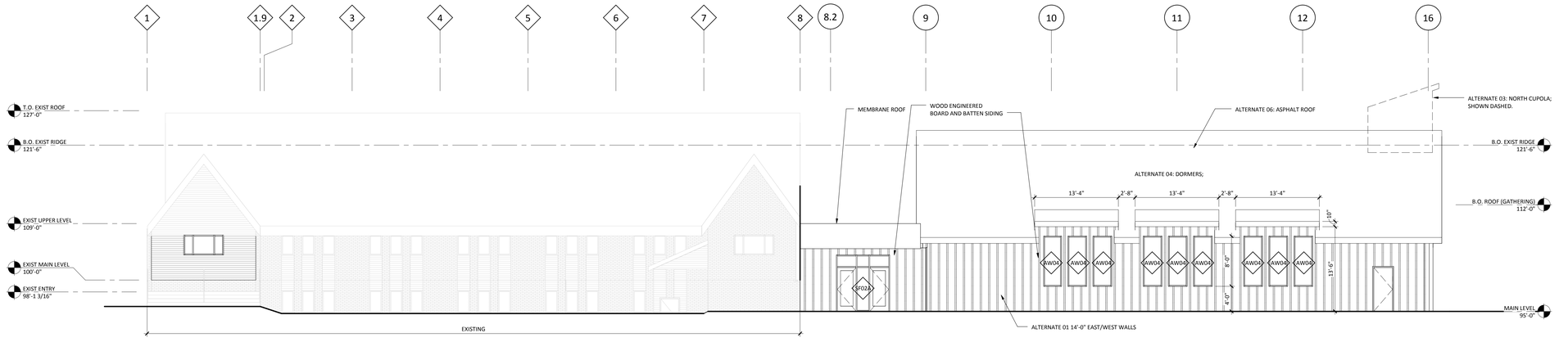
1 NORTH ELEVATION - ALTERNATE 03 & 04
SCALE: 1/8" = 1'-0"



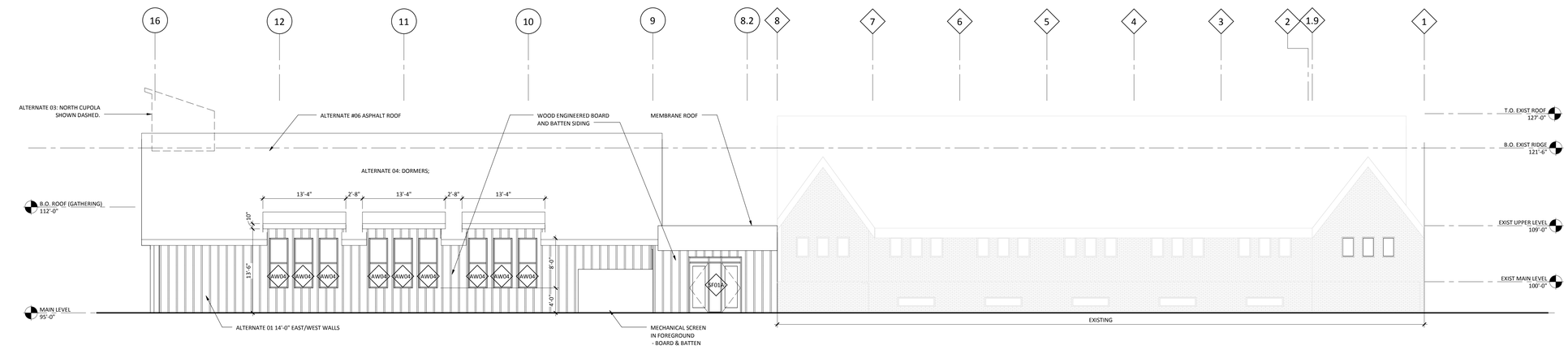
4 AW09
SCALE: 1/4" = 1'-0"



5 BLDG SECTION - ALTERNATE 2 SCISSOR TRUSS
SCALE: 1/8" = 1'-0"



2 EAST ELEVATION - ALTERNATE 03 & 04
SCALE: 1/8" = 1'-0"



3 WEST ELEVATION - ALTERNATE
SCALE: 1/8" = 1'-0"

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ALTERNATES