

LANDSCAPE PLANTING NOTES:

GENERAL CONTRACTOR SHALL LOCATE EXISTING AND PROPOSED UTILITIES PRIOR TO DIGGING OR TILLING. REFER TO GRADING PLAN, SITE PLAN, UTILITY PLAN AND IRRIGATION PLAN FOR ADDITIONAL.

PLANTS SCHEDULE

NOTE: METHOD OF WATERING SHALL BE BY AUTOMATIC IRRIGATION SYSTEM

LANDSCAPE DATA	REQUIRED	PROVIDING	PROPOSED	COMMON AND BATANICALS NAME
TOTAL BUILDING SITE AREA	257,295 SQ.FT.		LETTER	
LANDSCAPE AREA (10%) OF BUILDING SITE	8,049 SQ. FT.			
TOTAL LANDSCAPE AREA	8,049 SQ. FT.	195,093 SQ.FT.		
50% OF LANDSCAPING IN FRONT YARD	4,029 SQ. FT.	12,672 SQ.FT.		
1– TREE PER 500 SQ. FT.	24	25	E (14) EXISTING	SWEETGUM Liquidambar styraciflua
		11	A PROPOSED	CRAPE MYRTLE Lagerstroemia indica
SHRUBS		26	B	DWARF BURFORD HOLLY
SHRUBS		64	C	INDIAN HANTHORN
GROUND COVERING			D	ASIAN JASMINE (ASIATIC JASMINE)

OWNER

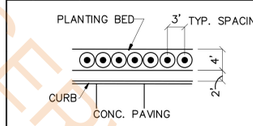
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS
REV. RON SHAW

PREPARED BY

JOHN TAYLOR AND ASSOCIATES
6800 BRENTWOOD STAIR RD. STE. 201
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PLANTS SCHEDULE

QU.	LETTER	COMMON AND BATANICALS NAME	SPACING	CALIPER	SOIL DEPTH PLANTS CU. FT.	MIN. HEIGHT	REMARKS
14	E	SWEETGUM (LIQUIDAMBAR STYRACIFLUA) (EXISTING TREES)	50'	3"	75"	10' TO 12'	DECIDUOUS
11	A	CREAPE MYRTLE Lagerstroemid indica		2"	35"	6'–0"	DECIDUOUS
26	B	DWARF BURFORD HOLLY	36"		5 gAL.	3'–0"	EVERGREEN
64	C	INDIAN HANTHORN	36"		5 gAL.	3'–0"	EVERGREEN
	D	ASIAN JASMINE (ASIATIC JASMINE)	12"			2" OR 4" POTS	
			36"		5 gAL.	24"	EVERGREEN
		METAL EDGING WITH STAKES SPACED 30" O/C WITH MULCH BED COVERING					



TYPICAL PLANTING BED

PREPARED BY

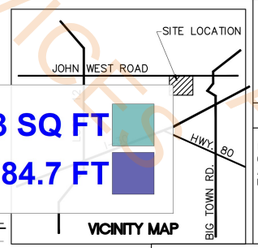
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OWNER

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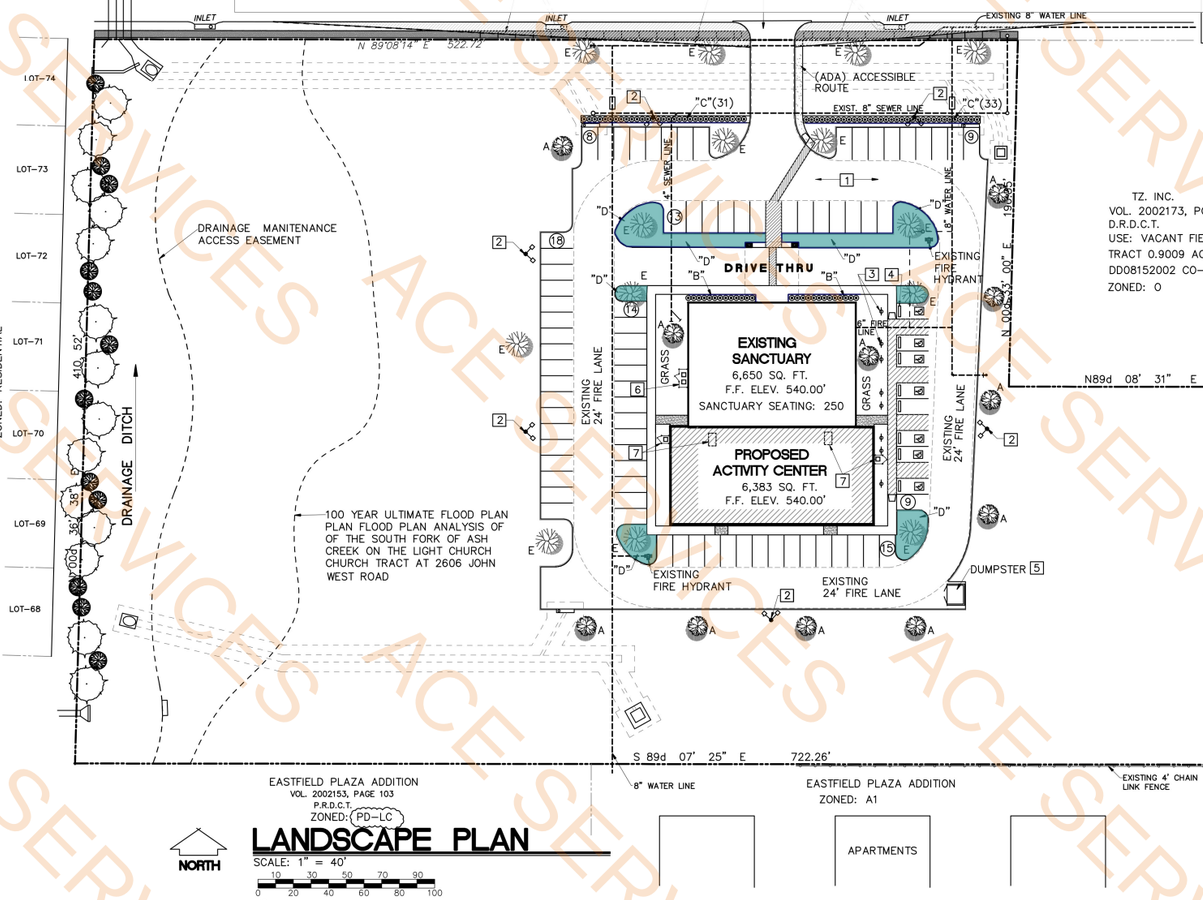
NOTE:

BEFORE STARTING:
CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES BEFORE STARTING CONSTRUCTION.



VICINITY MAP

Tag D Asian Jasmine Ground Cover
Steel Edging
3083.3 SQ FT
684.7 FT



LANDSCAPE PLAN

SCALE: 1" = 40'

1" = 40'

CONSTRUCTION NOTES

1. FIRE LANE 6" THICK CONCRETE PAVING WITH #4 SPACED 16" ON CENTER EACH WAY ON 2" CUSHION SAND ON 6" RECOMPACTED SUB–SOIL. REGULAR PAVING 5" THICK REINFORCING SPACED 18" ON CENTER EACH WAY. (4,000 PSI, 6–SACK)
2. 24'–0" HIGH 4' SQUARE STEEL LIGHT POLE ON 30" HIGH CONCRETE BASE. (2) – 400 WATTS FLOOD LIGHTS ON ADJUSTABLE ARM.
3. HANDICAPPED PARKING SIGN MOUNTED 60" ABOVE GRADE.
4. CONCRETE WHEEL STOPS WITH #3 REBAR AT EACH END.
5. 12'–0" X 10'–0" DUMPSTER PAD 8" X 8" X 16" CONCRETE MASONRY BLOCKS WALL, 6'–0" HIGH.
6. EXISTING CONDENSER UNITS MOUNTED ON CONCRETE PAD WITH SCREENING WOOD FENCE.
7. LOCATION OF PROPOSED HVAC INSIDE AND CONDENSER UNIT OUTSIDE WITH WOOD FENCE SCREENING AROUND CONDENSER UNIT.

GENERAL:

CONTRACTOR SHALL LOCATE EXISTING AND PROPOSED UTILITIES PRIOR TO DIGGING OR TILLING. REFER TO GARDINING PLAN,SITE PLAN,UTILITY PLAN AND IRRIGATION PLAN FOR ADDITIONAL INFORMATION.
CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF DISCREPANCIES BETWEEN THE PLANS AND THE SITE CONDITIONS.
CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.
OWNER RESERVES THE RIGHT TO REJECT ANY OR ALL PLANT MATERIAL.
ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE, (1) YEAR,, UPON FINAL ACCEPTANCE BY OWNER.ANY DEAD MATERIAL SHALL BE REPLACED WITHIN (2) WEEKS UPON NOTIFICATION BY THE OWNER.
EXCLUDED ARE PLANTS THAT DIE FROM ACTS OF NATURE,VANDALISM OR NEGLECT BY OWNER.

PLANT MATERIAL:

PLANTS SHALL BE IN ACCORDANCE WITH THE TEXAS STATE DEPARTMENT OF AGRICULTURE'S REGULATION FOR NURSERY INSPECTION,RULES AND RATINGS.
ALL PLANTS SHALL HAVE A NORMAL HABIT OF GROWTH AND SHALL BE SOUND, HEALTHY,VIGOROUS AND FREE OF INSECT INFESTATIONS,PLANT DISEASES, INJURIES OR OTHER OBJECTIONABLE DISFIGUREMENTS.SHRUBS AND GROUNDCOVER SHALL BE NURSERY GROWN. TEES SHALL BE NURSERY GROWN OR THAT HAVE BEEN TRANSPLANTED AND "CURED" FOR A PERIOD OF (3) MONTHS MINIMUM. ANY TREES PLANTED THAT SUFFERS FROM SHOCK, DIEBACK,LOSS OF LEAVES,LOSS OF COLOR IN LEAVES OR A BROKEN ROOT BALL SHALLL BE REJECTED.
ALL TREES SHALL HAVE A WELL BRANCHED,OPEN,SYMMETRICAL CANOPY.

SOIL:

THE GEN.CONT.WILL GRADE LAWN & BED AREAS TO A MIN. 2" BELOW FINISHED GRADE. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SANDY LOAM SOIL (IF NEEDED) AND FINRE GRADING ALL LAWN AND BED AREAS. IF SOIL IS NEEDED,IT SHALL BE FREE OF ANY ROCKS, GRASSES,WEEDS,SEEDS,,OR NUTGRASS.

BED PREPERATION:

CONTRACTOR SHALL STAKE BED AREAS AND ERADICATE ANY GRASS OR WEEDS. INSTALL LO GUAGE STEEL EDGING,PAINTED GREEN,WITH STAKES.
EDGING SHALL BE USED TO SEPERATE GRASS FROM SHRUB OR GROUNDCOVER BEDS.INSTALL EDGING IN STRAIGHT ALIGNMENT WITHOUT WAVES.
TOP OF EDGING SHALL NOT BE MORE THAN 2"ABOVE FINISHED GRADE.
FOR ANNUAL FLOWER PLANTING AREAS,THE CONTRACTOR SHALL INSTALL TO A MINIMUM DEPTH OF (9") INCHES, A MIXTURE OF: 1/3 PART SANDY LOAM SOIL, 1/3 PART"BACK TO EARTH" SOIL CONDITIONER (OR EQUAL), AND 1/3 PART POTTING SOIL. THE SANDY LOAM SOIL SHALL BE FREE OF CLODS,WEEDS AND GRASSES (INCLUDING"NUTGRASS") AND ANY OTHER OBJECTIONABLE MATERIAL.
THE PLANTING MEDIUMS SHALL MIXED AND A SAMPLE INSPECTED BY THE ARCHITECT PRIOR TO PLACEMENT.

TREE INSTALLATION:

TREE PITS SHALL BE DUG TWO FEET GREATER IN DIAMETER THAN THE SIZE OF ROOT BALL. BACKFILL SHALL CONSIST OF NATIVE SOILREMOVED FROM THE PIT.HAND WATER TREES TO ELIMINATE VOIDS AND AIR POCKETS. TREES SHALL BE PLANTED VERTICAL AND STAKED ONLY IF NECESSARY TO MAINTAIN ALIGNMENT. DO NOT LEAVE ANY PITS OPEN OVER NIGHT WITHOUT FIRST BARRICADING PIT TO AVOID PEDESTRIAN INJURY. TOP OF TREE BALL TO BE EQUAL TO ADJACENT GRADE.

SHRUBS & GROUNDCOVER INSTALLATION:

ROTOTILL 2"+ OF "BACK TO EARTH" SOIL CONDITIONER INTO EDGED BED AREAS. RAKE SMOOTH AND REMOVE ANY LARGE ROCKS OR OTHER DEBRIS. INSTALL PLANTS IN HOLES 1/3 WIDER THAN CONTANIER SIZE. TOP OF ROOT BALL SHALL BE EQUAL TO THE FINISHED BED GRADE. SPREAD (5) LBS OF A 3:1:2 PELLET FERTILIZER PER 1000 SF OF BED COVER. HAND WATER PLANTS TO ELIMINATE VOIDS. APPLY 2" OF PINE BARK MULCH (COARSE SHREAD) TOP DRESSING.

ANNUAL INSTALLATION:

INSTALL PLANTS IN HOLES THAT ARE DUG 1/3 WIDER THAN THE CONTAINER SIZE. TOP OF ROOT BALL SHALL BE EQUAL TO A HEIGHT OF TWO (2") INCHES BELOW TOP OF CURBE. SPREAD "COLOR STAR" PELLET FERTILIZER (AVAILABLE FROM PIPES PLANT FARM– 817.379.6946) AT THE RECOMMENDED RATE. HAND WATER PLANTS TO ELIMINATE VOIDS. APPLY 2" OF PINE BARK MULCH TOP DRESSING.

GRASS INSTALLATION SOD:

FINE GRADE AND REMOVE ROCKS AND OTHER DEBRIS PRIOR TO INSTALLATION. BERMUDAGRASS SOD SHALL BE LAID SOLID, JOINT TO JOINT. SPREAD A 3:1:2 FERTILIZER AT THE RATE OF 10 LBS. PER 1,000 S.F. ROLL SOD AFTER WATERING WITH A HEAVY HAND ROLLER. CONTRACTOR SHALL PIN SOD TO GROUND AT ANY SLOPES OR SWALES WHERE EROSION MAY OCCUR. ALL GROUND AREAS NOT COVERED BY PAVING OR GROUNDCOVER SHALL BE COVERED WITH SOD, INCLUDING AREAS BETWEEN PROPERTY LINES AND CURBS.

MAINTENANCE NOTE:

GENERAL: THE OWNER SHALL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE IN PERPERTUITY OF ALL LANDSCAPING AND IRRIGATION. ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THIS SHALL INCLUDE MOWING,EDGING,PRUNING,FERTILIZING, WATERING,WEEDING,,KEEPING BEDS MULCHED WITH STANDARD HORTICULTURAL PRACTICES OR AS RECOMENDED BY THE LANDSCAPE ADMINISTRATOR AND OTHER SUCH ACTIVITIES COMMEN TO THE MAINTENANCE OF LANDSCAPING.
LANDSCAPED AREAS SHALL BE KEPT FREE OF TRASH,LITTER,WEEDS,AND OTHER SUCH MATERIAL OR PLANTS NOT A PART OF THE LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. ALL IRRIGATION HEADS OR LINES WICH ARE BROKEN AND FLOW WATER SHALL BE REPLACED/REPAIRED IMMEDIATELY TO PREVENT THE WASTE OF WATER.

FLOOR DATA

EXISTING BUILDING	6,6,50 SQ. FT.
PROPOSED ADDITION	6,383 SQ. FT.
TOTAL AREA	13,033 SQ. FT.

ZONING

PROPERTY ZONE ..... A1, MULTIFAMILY

PARKING

PARKING REQUIRED	50
PARKING PROVIDED	78
HANDICAPPED PROVIDED	8
TOTAL PROVIDED	86

SITE DATA

AREA	SQ. FT.	ACREAGE	%
TOTAL SITE AREA	257,295	5.9067	100%
BUILDING AREA	13,033	.30	.05%
IMPERIOUS PAVING	49,169	1.1	.19%
LANDSCAPE / GRASS AREA	195,093	4.5	.76%

LEGAL

LOT–5
BLOCK–C
EASTFIELD PLAZA ADDITION
CITY OF MESQUITE, DALLAS COUNTY, TEXAS
5.9067 ACRES = 257,295 SQ.FT.

REVISIONS

	DATE	RESPONSE

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PROPOSED ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS

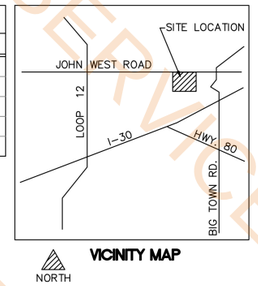
JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET
DATE:	11/5/2023

SHEET TITLE:
LANDSCAPE PLAN

SHEET NO.
L1.0
OF 1

ACE SERVICES

SITE DATA			
AREA	SQ. FT.	ACREAGE	%
TOTAL SITE AREA	257,295	5.9067	100%
BUILDING AREA	13,033	.30	.05%
IMPERIOUS PAVING	49,169	1.1	.19%
LANDSCAPE / GRASS AREA	195,093	4.5	.76%



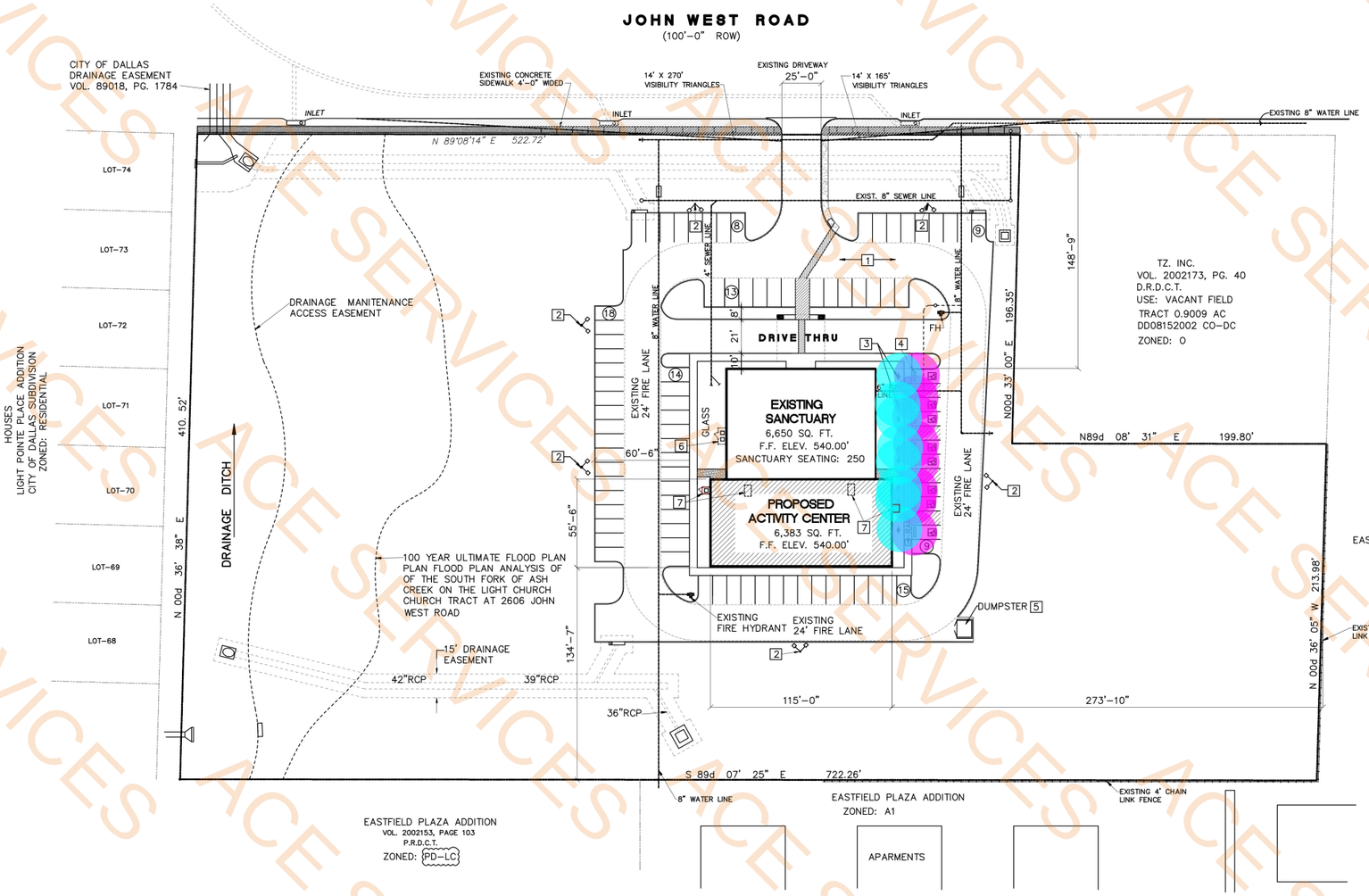
VICINITY MAP

CONSTRUCTION NOTES

1. FIRE LANE 6" THICK CONCRETE PAVING WITH #4 SPACED 16" ON CENTER EACH WAY ON 2" CUSHION SAND ON 6" RECOMPACTED SUB-SOIL. REGULAR PAVING 5" THICK REINFORCING SPACED 18" ON CENTER EACH WAY. (4,000 PSI, 6-SACK).
2. EXISTING: 24'-0" HIGH 4' SQUARE STEEL LIGHT POLE ON 30" HIGH CONCRETE BASE. (2) – 400 WATTS FLOOD LIGHTS ON ADJUSTABLE ARM. (EXISTING)
3. HANDICAPPED PARKING SIGN MOUNTED 60" ABOVE GRADE.
4. CONCRETE WHEEL STOPS WITH #3 REBAR AT EACH END.
5. EXISTING 12'-0" X 10'-0" X 6'-0" HIGH DUMPSTER UNIT CONCRETE MASONRY BLOCKS WALL,
6. EXISTING CONDENSER UNITS MOUNTED ON CONCRETE PAD WITH SCREENING WOOD FENCE.
7. LOCATION OF PROPOSED HVAC INSIDE AND CONDENSER UNIT OUTSIDE WITH WOOD FENCE SCREENING AROUND CONDENSER UNIT.

REVISIONS	
DATE	RESPONSE

6' L Precast Concrete Wheel Stop — 8.0 EA
Handicapped Parking Sign — 8.0 EA
4' H Wood Fence Around Condenser Units — 26.2 FT



NORTH

SITE PLAN

SCALE: 1" = 40'

0 20 40 60 80 100
10 30 50 70 90
1" = 40'

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P M D ARCHITECTS
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PROPOSED ACTIVITY BUILDING ADDITION FOR

LIGHT CHURCH

2606 JOHN WEST ROAD
MESQUITE, TEXAS

PREPARED BY

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OWNER

LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS
REV. RON SHAW
(214) 320-0172 OFFICE

NOTE:

BEFORE STARTING:
CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES BEFORE STARTING CONSTRUCTION.

FLOOR DATA

EXISTING BUILDING	6,650 SQ. FT.
PROPOSED ADDITION	6,383 SQ. FT.
TOTAL AREA	13,033 SQ. FT.
COVERED WALK UNDER CANOPY (NO SIDE WALKS)	1,296 SQ. FT.

ZONING

PROPERTY ZONE ..... A1, MULTIFAMILY

PARKING

PARKING REQUIRED	50
PARKING PROVIDED	78
HANDICAPPED PROVIDED	8
TOTAL PROVIDED	86

LEGAL

LOT-5
BLOCK-C
EASTFIELD PLAZA ADDITION
CITY OF MESQUITE, DALLAS COUNTY, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/PD
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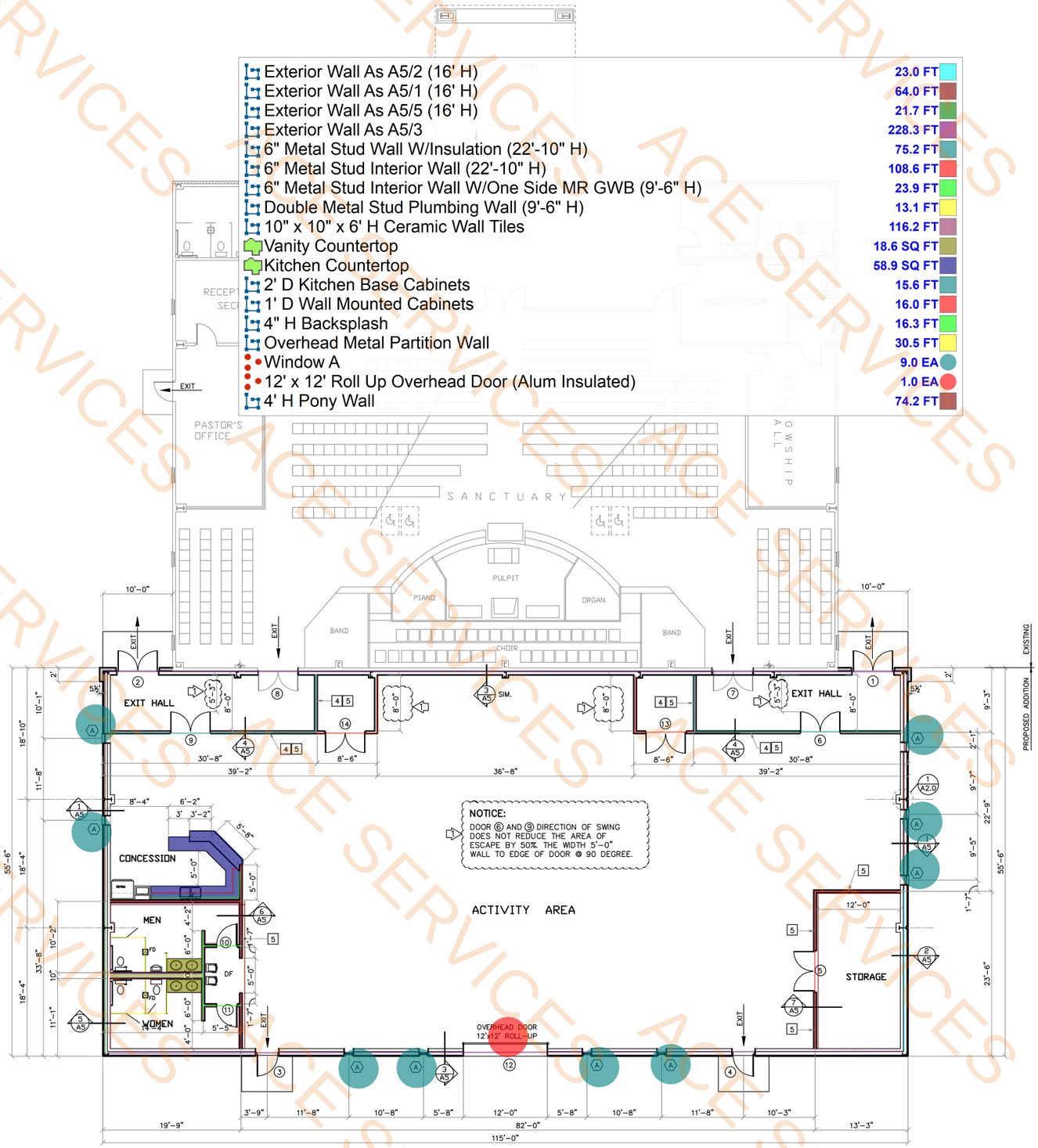
SHEET TITLE:
SITE PLAN

REGISTERED ARCHITECT PAUL M. DEELEY STATE OF TEXAS 1986

11/08/2023

SHEET NO.
A1.0
OF 9

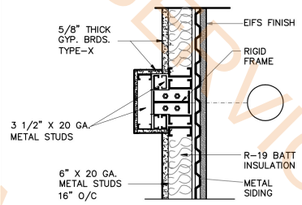
Exterior Wall As A5/2 (16' H)	23.0 FT
Exterior Wall As A5/1 (16' H)	64.0 FT
Exterior Wall As A5/5 (16' H)	21.7 FT
Exterior Wall As A5/3	228.3 FT
6" Metal Stud Wall W/Insulation (22'-10" H)	75.2 FT
6" Metal Stud Interior Wall (22'-10" H)	108.6 FT
6" Metal Stud Interior Wall W/One Side MR GWB (9'-6" H)	23.9 FT
Double Metal Stud Plumbing Wall (9'-6" H)	13.1 FT
10" x 10" x 6' H Ceramic Wall Tiles	116.2 FT
Vanity Countertop	18.6 SQ FT
Kitchen Countertop	58.9 SQ FT
2' D Kitchen Base Cabinets	15.6 FT
1' D Wall Mounted Cabinets	16.0 FT
4" H Backsplash	16.3 FT
Overhead Metal Partition Wall	30.5 FT
Window A	9.0 EA
12' x 12' Roll Up Overhead Door (Alum Insulated)	1.0 EA
4' H Pony Wall	74.2 FT



NORTH

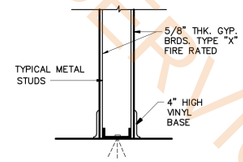
FLOOR PLAN

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



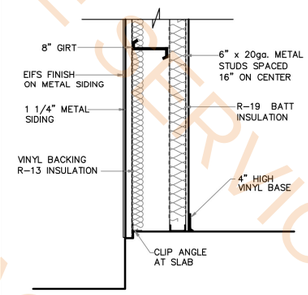
① DETAIL

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

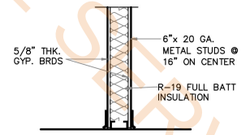


TYPICAL INTERIOR WALL

SCALE : 1" = 1'-0"



TYP. EXTERIOR WALL



TYP. INTERIOR WALL WITH INSULATION

CONSTRUCTION NOTES

1. 30 GAL. ELECTRIC WATER HEATER MOUNTED 18" ABOVE FINISH FLOOR.
2. LOCATION OF ELECTRICAL SERVICE
3. SEMI-RECESSED FIRE EXSTINGUISHER AND CABINET (2A10BC).
4. FULL BATT INSULATION THIS WALL FOR SOUND PROOF.
5. EXTEND WALL TO BOTTOM OF DECK

DESIGN ANALYSIS DATA

PRODUCT CERTIFICATIONS

THIS IS TO CERTIFY THE ABOVE REFERENCED BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH A.I.S.C. AND A.I.S.I. DESIGN PROCEDURES AND GOOD ENGINEERING PRACTICE AND FOR THE FOLLOWING LOADS: ALL WELDING IS PER THE A.W.S. D1.1 & D1.3 CODES. LOADS ARE APPLIED IN ACCORDANCE WITH THE M.B.M.A. LOW RISE BUILDING SYSTEMS MANUAL AND THE DESIGN SAT SFIES THE REQUIREMENTS OF IBC'18

DEAD LOAD: METAL BLDG STRUCTURE ONLY AS FURNISHED BY MUELLER, INC.

LIVE LOAD (ROOF): 20.0 (psf) — GROUND SNOW LOAD: P_g = 5.0 (psf)

LIVE LOAD REDUCED PER CODE? YES — ROOF SNOW LOAD (Flat): P_f = 5.0 (psf)

WIND EXPOSURE: C — C_e = 1.0 I_s = 1.1

RISK CATEGORY: III- High — WIND LOAD: V_{ult} = 114.0 MPH; V_{asd} = 88.3 MPH

SEISMIC LOADS

I_e = 1.3 — SEISMIC DESIGN CATEGORY: B

S_s = 0.100 S_{DS} = 0.106 — SITE CLASS: D

S_1 = 0.055 S_{D1} = 0.088 — ANALYSIS PROCEDURE: Equivalent Lateral Force Method

BUILDING-SPECIFIC LOADING INFORMATION

BLDG	Collateral Load (psf)	C_t	SNOW C_e	Roof (Sloped) P_s (psf)	WIND Enclosure	GC_{pi}	R	SEISMIC C_s	$V_{(mph)}$
1	6.0	1.2	1.0	5.00	Enclosed	±0.18	3.00	0.044	5.29

THIS LETTER OF CERTIFICATION APPLIES SOLELY TO THIS BUILDING AND ITS COMPONENT PARTS AS FURNISHED AND/OR FABRICATED BY MUELLER, INC. AND SPECIFICALLY EXCLUDES FOUNDATION, MASONRY OR GENERAL CONTRACT WORK INCLUDING ERECTION CERTIFICATION. THE DESIGN AND CERTIFICATION FOR THIS PROJECT IS IN ACCORDANCE WITH THE PROVISIONS AND LOADS SPECIFIED ON THE CONTRACT DOCUMENTS. THE CUSTOMER IS TO INSURE ALL LOADS ARE IN COMPLIANCE WITH LOCAL REGULATORY AUTHORITIES. ALL COMPONENTS AND PARTS MUST WITHSTAND THE WIND LOAD AND DESIGN SPECIFICATIONS MENTIONED ABOVE.

PANEL ACCESSORY INFORMATION

	PANEL TYPE	PANEL COLOR	TRIM COLOR
WALL SHEETS	26_PBR	GP. Galvalume Plus	BSL COMMON
ROOF SHEETS	MLK	BSL Burnished Slate	BSL COMMON

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED

BUILDING DESCRIPTION

BLDG	WIDTH	LENGTH	HEIGHT BACK	HEIGHT FRONT	ROOF PITCH BACK	ROOF PITCH FRONT
1	115'-0"	55'-6"	18'-0"	16'-0"	3.00:12	3.00:12

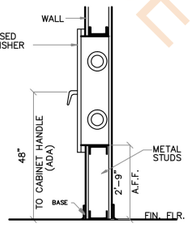
FLOOR DATA

SANCTUARY SEATING	354
CHOIR SEATING	39
PULPIT SEATING	5
MUSICIAN SEATING	2
TOTAL	400

NOTE:

EXISTING SANCTUARY	6,650 SQ. FT.
PROPOSED ADDITION	6,382 SQ. FT.
TOTAL	13,032 SQ. FT.

1. BUILDING WILL HAVE A FIRE SPRINKLER SYSTEM.
2. SEE COVER SHEET FOR TYPE AND OCCUPANT.



⑥ FIRE EXTINGUISHER CABINET SECTION

(N.T.S.)

FD = FIRE EXTINGUISHER LOCATION

LEGEND

- METAL STUD WALLS ALONG THE EXTERIOR
- 6" WIDED METAL STUDS WALLS
- METAL STUDS PARTITION WALL
- FD — FLOOR DRAIN WITH PRIMER
- RIGID FRAMES

REVISIONS

	DATE	RESPONSE
1	6/10/24	CITY COMMENTS

ARCHITECT
P M D ARCHITECTS
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2312 RYAN PLACE DRIVE
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(817) 446-1364

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PROPOSED ACTIVITY BUILDING ADDITION FOR

LIGHT CHURCH

2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/PD
DATE:	11/5/2023

SHEET TITLE:
- FLOOR PLAN
- DETAILS

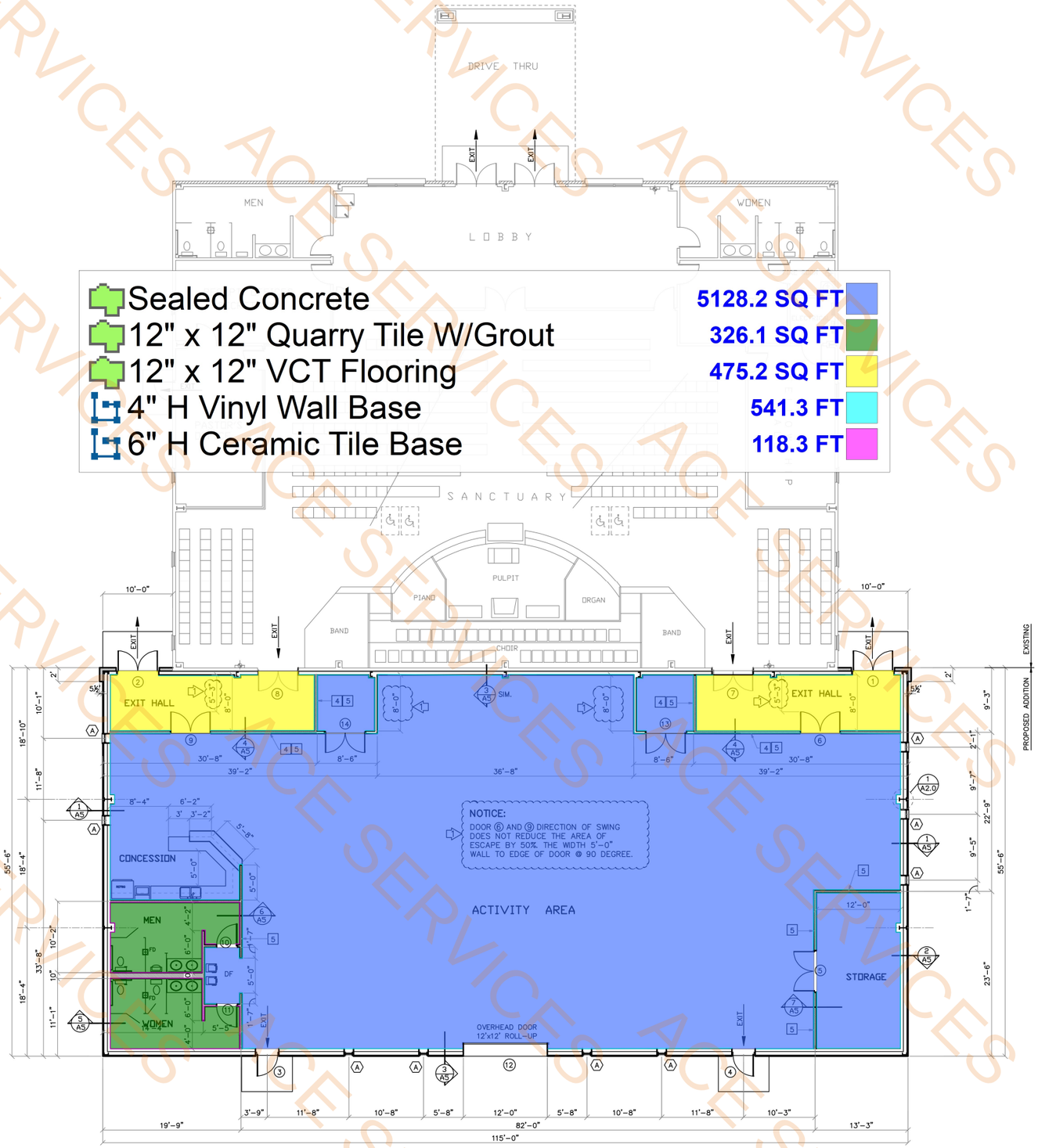
REGISTERED ARCHITECT PAUL M. DEELEY 18888 STATE OF TEXAS

11/08/2023

SHEET NO.

A2.0

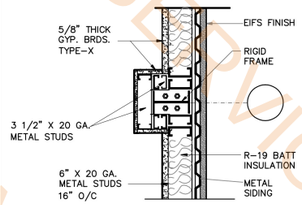
UF 9



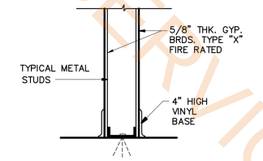
Sealed Concrete — 5128.2 SQ FT
12" x 12" Quarry Tile W/Grout — 326.1 SQ FT
12" x 12" VCT Flooring — 475.2 SQ FT
4" H Vinyl Wall Base — 541.3 FT
6" H Ceramic Tile Base — 118.3 FT

NORTH

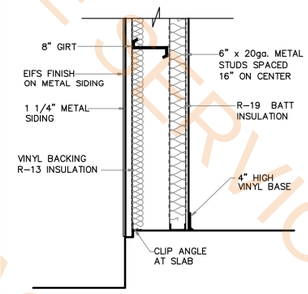
FLOOR PLAN
SCALE: 1/8" = 1'-0"



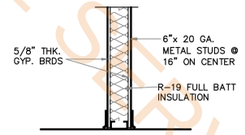
① DETAIL
SCALE: 1 1/2"=1'-0"



TYPICAL INTERIOR WALL
SCALE : 1" = 1'-0"



TYP. EXTERIOR WALL



TYP. INTERIOR WALL WITH INSULATION

CONSTRUCTION NOTES

1. 30 GAL. ELECTRIC WATER HEATER MOUNTED 18" ABOVE FINISH FLOOR.
2. LOCATION OF ELECTRICAL SERVICE
3. SEMI-RECESSED FIRE EXSTINGUISHER AND CABINET (2A10BC).
4. FULL BATT INSULATION THIS WALL FOR SOUND PROOF.
5. EXTEND WALL TO BOTTOM OF DECK

DESIGN ANALYSIS DATA

PRODUCT CERTIFICATIONS

THIS IS TO CERTIFY THE ABOVE REFERENCED BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH A.I.S.C. AND A.I.S.I. DESIGN PROCEDURES AND GOOD ENGINEERING PRACTICE AND FOR THE FOLLOWING LOADS: ALL WELDING IS PER THE A.W.S. D1.1 & D1.3 CODES. LOADS ARE APPLIED IN ACCORDANCE WITH THE M.B.M.A. LOW RISE BUILDING SYSTEMS MANUAL AND THE DESIGN SATISFIES THE REQUIREMENTS OF IBC'18

DEAD LOAD: METAL BLDG STRUCTURE ONLY AS FURNISHED BY MUELLER INC.

LIVE LOAD (ROOF): 20.0 (psf) — GROUND SNOW LOAD: P_g = 5.0 (psf)
LIVE LOAD REDUCED PER CODE? YES — ROOF SNOW LOAD (Flat): P_f = 5.0 (psf)
WIND EXPOSURE: C — C_e = 1.0 I_s = 1.1
RISK CATEGORY: III- High — WIND LOAD: V_{ult} = 114.0 MPH
V_{asd} = 88.3 MPH

SEISMIC LOADS

I_e = 1.3 — SEISMIC DESIGN CATEGORY: B
S_{DS} = 0.100 S_{DS} = 0.106 — SITE CLASS: D
S_1 = 0.055 S_{DS} = 0.088 — ANALYSIS PROCEDURE: Equivalent Lateral Force Method

BUILDING-SPECIFIC LOADING INFORMATION

BLDG	Collateral Load (psf)	SNOW C_s	SNOW C_e	Roof (Sloped) P_s (psf)	WIND Enclosure	WIND GC_{pi}	WIND R	SEISMIC C_s	SEISMIC $V_{(kips)}$
1	6.0	1.2	1.0	5.00	Enclosed	±0.18	3.00	0.044	5.29

THIS LETTER OF CERTIFICATION APPLIES SOLELY TO THIS BUILDING AND ITS COMPONENT PARTS AS FURNISHED AND/OR FABRICATED BY MUELLER, INC. AND SPECIFICALLY EXCLUDES FOUNDATION, MASONRY OR GENERAL CONTRACT WORK INCLUDING ERECTION CERTIFICATION. THE DESIGN AND CERTIFICATION FOR THIS PROJECT IS IN ACCORDANCE WITH THE PROVISIONS AND LOADS SPECIFIED ON THE CONTRACT DOCUMENTS. THE CUSTOMER IS TO INSURE ALL LOADS ARE IN COMPLIANCE WITH LOCAL REGULATORY AUTHORITIES. ALL COMPONENTS AND PARTS MUST WITHSTAND THE WIND LOAD AND DESIGN SPECIFICATIONS MENTIONED ABOVE.

PANEL ACCESSORY INFORMATION

	PANEL TYPE	PANEL COLOR	TRIM COLOR
WALL SHEETS	26_PBR	GP Galvalume Plus	BSL COMMON
ROOF SHEETS	MLK	BSL Burnished Slate	BSL COMMON

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED

BUILDING DESCRIPTION

BLDG	WIDTH	LENGTH	HEIGHT BACK	HEIGHT FRONT	ROOF PITCH BACK	ROOF PITCH FRONT
1	115'-0"	55'-6"	18'-0"	16'-0"	3.00:12	3.00:12

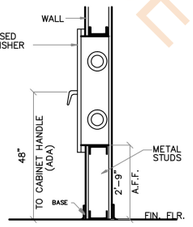
FLOOR DATA

SANCTUARY SEATING	354
CHOIR SEATING	39
PULPIT SEATING	5
MUSICIAN SEATING	2
TOTAL	400

NOTE:

EXISTING SANCTUARY	6,650 SQ. FT.
PROPOSED ADDITION	6,382 SQ. FT.
TOTAL	13,032 SQ. FT.

1. BUILDING WILL HAVE A FIRE SPRINKLER SYSTEM.
2. SEE COVER SHEET FOR TYPE AND OCCUPANT.



⑥ FIRE EXTINGUISHER CABINET SECTION
(N.T.S.)

FD = FIRE EXTINGUISHER LOCATION

LEGEND

- METAL STUD WALLS ALONG THE EXTERIOR
- 6" WIDED METAL STUDS WALLS
- METAL STUDS PARTITION WALL
- FD — FLOOR DRAIN WITH PRIMER
- RIGID FRAMES

REVISIONS

	DATE	RESPONSE
1	6/10/24	CITY COMMENTS

ARCHITECT
P M D ARCHITECTS
PAUL DEELEY
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FORT WORTH, TEXAS 76110
(817) 446-1364

JOHN TAYLOR and ASSOCIATES
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FORT WORTH, TEXAS 76112
OFFICE: 817.446.1364 / FAX: 817.446.1307
E-MAIL: taylor76778@sbcglobal.net

PROPOSED ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
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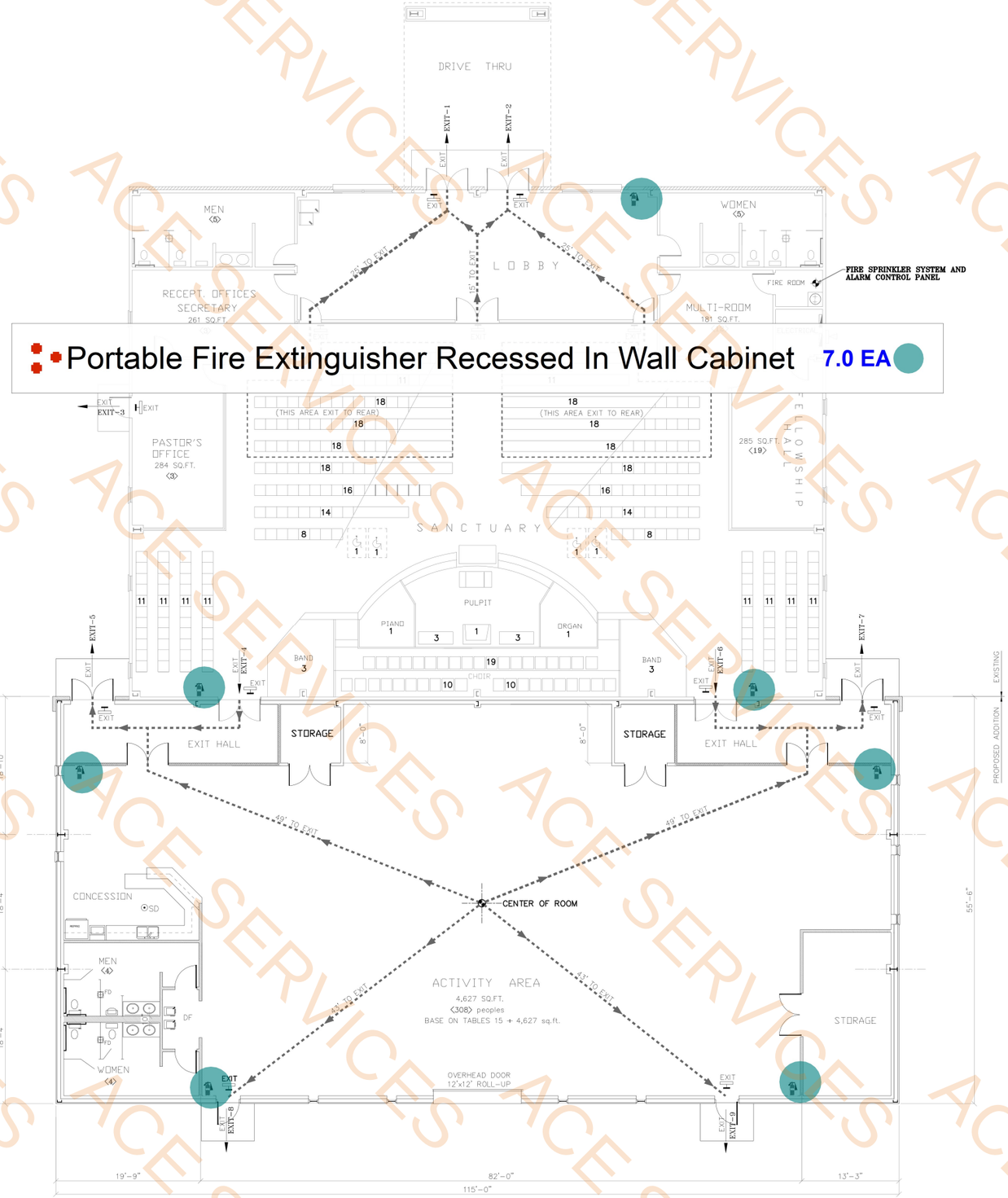
SHEET TITLE:
- FLOOR PLAN
- DETAILS

REGISTERED ARCHITECT PAUL DEELEY STATE OF TEXAS 1888

11/08/2023

SHEET NO.
A2.0
OF 9

ACE SERVICES



NORTH

LIFE SAFETY PLAN
FLOOR PLAN

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

NOTE: BUILDING IS FULLY FIRE SPRINKLERED WITH ALARM SYSTEM.

EXITING INFORMATION

DOOR SQ. FT.	LOCATIONS	OCCUPANT LOAD DESCRIPTION
42	EXIT-1	84-PEOPLE
42	EXIT-2	112-PEOPLE
21	EXIT-3	3-PEOPLE
42	EXIT-4	129-PEOPLE
42	EXIT-5	291-PEOPLE
42	EXIT-6	129-PEOPLE
42	EXIT-7	291-PEOPLE
21	EXIT-8	85-PEOPLE
21	EXIT-9	77-PEOPLE

SYMBOL LEGEND

- EXIT SIGN WITH LIGHT
- DIRECTION OF TRAVEL ESCAPE ROUTE
- PORTABLE FIRE EXTINGUISHER RECESSED IN WALL CABINET.
- <80> NUMBER OF OCCUPANT IN ROOM
- SD SMOKE DETECTOR MOUNTED ON CEILING

LEGEND

- METAL STUD WALLS ALONG THE EXTERIOR
- 6" WIDED METAL STUDS WALLS
- METAL STUDS PARTITION WALL
- FD FLOOR DRAIN WITH PRIMER
- RIGID FRAMES

REVISIONS

	DATE	RESPONSE
1	6/10/24	CITY COMMENTS

ARCHITECT
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PROPOSED ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
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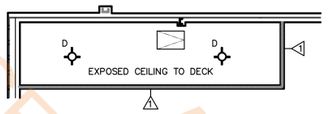
SHEET TITLE:
- FLOOR PLAN
- DETAILS

REGISTERED ARCHITECT PAUL M. DEELEY 18886 STATE OF TEXAS

11/08/2023

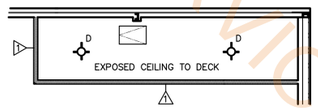
SHEET NO.
A2.1
OF 9

ACE SERVICES



1 A/C ROOM CEILING

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



2 A/C ROOM CEILING

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

5/8" MR GWB Ceiling	329.0 SQ FT
5/8" GWB Ceiling	403.8 SQ FT
Exposed Ceiling	4940.1 SQ FT
2' x 4' x 5/8" Thk Suspended Tile Ceiling	264.3 SQ FT



NORTH

REFLECTED CEILING PLAN

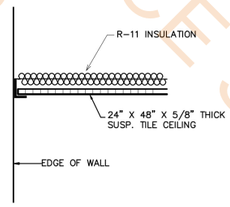
SCALE: 1/8" = 1'-0"

LIGHT FIXTURES	
TYPE	DESCRIPTION
A	2X4, DIMMABLE LED FIXTURE (35W) @ 1049 LUMENS AND 4000°K. FINAL SELECTION BY OWNER.
AE	SAME AS TYPE A, BUT WITH BACK-UP BATTERY CAPABLE OF 90 MINUTES OF ILLUMINATION FOR EMERGENCY EGRESS.
B	2X2, DIMMABLE LED FIXTURE (35W) @ 1049 LUMENS AND 4000°K. FINAL SELECTION BY OWNER.
BE	SAME AS TYPE B, BUT WITH BACK-UP BATTERY CAPABLE OF 90 MINUTES OF ILLUMINATION FOR EMERGENCY EGRESS.
C	RECESSED MOUNT LED, 8W, 3500K COLOR, 120V, WHITE. FINAL SELECTION BY OWNER.
CE	SAME AS TYPE C, BUT WITH BACK-UP BATTERY CAPABLE OF 90 MINUTES OF EMERGENCY ILLUMINATION.
D	SURFACE MOUNT, MOISTURE-RESISTENT LED, 17W, 4K COLOR. FINAL SELECTION BY OWNER.
DE	SAME AS TYPE D, BUT WITH BACK-UP BATTERY CAPABLE OF 90 MINUTES OF EMERGENCY ILLUMINATION.
E	EXTERIOR WALL SCONCE, BI-DIRECTIONAL SURFACE MOUNT, MOISTURE-RESISTENT LED, 8W, 4K COLOR. FINAL SELECTION BY OWNER.
F	WALL MOUNT, MOISTURE-RESISTENT LED, 17W, 4K COLOR. FINAL SELECTION BY OWNER.
FE	SAME AS TYPE D, BUT WITH BACK-UP BATTERY CAPABLE OF 90 MINUTES OF EMERGENCY ILLUMINATION.
G	SURFACE MOUNT DIMMABLE LED, 40W, 4K COLOR, 120V, WHITE. FINAL SELECTION BY OWNER.
X	EXIT LIGHT WITH DUAL LED LIGHTS, ILLUMINATED "EXIT" AND BATTERY BACKUP. FIXTURE SHALL BE PRO-LIGHTING MODEL #CMAOYZRW OR EQUAL.

NOTE: NOT ALL FIXTURES LISTED ABOVE ARE USED FOR THIS PROJECT

CONSTRUCTION NOTES

- 24" X 48" X 4 – 40 WATT LAMPS, FLUORESCENT LIGHT FIXTURE EQUAL TO LIGHTOLIER WITH PRISMATIC LENS COVER
- B — WALL MOUNTED 2–40 WATT LAMPS FLUORESCENT LIGHT EQUAL TO LIGHTOLIER NO. MWB240RSHPF WITH PRISMATIC LENS COVER
- C — 100 WATT RECESSED INCANDSCENT LIGHT
- D — 250 WATT HANGING INCANDSCENT LIGHT FIXTURE SELECTED BY OWNER ON DIMMER SWITCH
- E — WALL MOUNTED 100 WATT LIGHT ON PHOTO-EYE
- FLOOD LIGHT EQUAL TO DUAL-LITE NO. EZ-2, 120/277 VOLTS
- E.F. — EXHAUST FAN VENTED TO OUTSIDE
- 24" X 48" X 5/8" THICK SUSPENDED TILE CEILING SURFACE MOUNTED TEE
- 16'-0" — CEILING HEIGHT ABOVE FINISH FLOOR
- EXIT LIGHT ON BATTERY BACKUP
- 24" x 24" SUPPLY AIR GRILLE
- 24" x 24" RETURN AIR GRILLE
- EXTEND WALLS TO BOTTOM OF DECK



TYP. SUSP. TILE SECTION

LEGEND

- METAL STUD WALLS
- 6" WIDED METAL STUDS WALLS
- FACE BRICK
- FD — FLOOR DRAIN WITH PRIMER

REVISIONS

	DATE	RESPONSE

ARCHITECT
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PROPOSED ACTIVITY BUILDING ADDITION FOR

LIGHT CHURCH

2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/PD
DATE:	11/5/2023

SHEET TITLE:
- REFLECTED CEILING PLAN

REGISTERED ARCHITECT — PAUL M. DEELEY — 18865 — STATE OF TEXAS

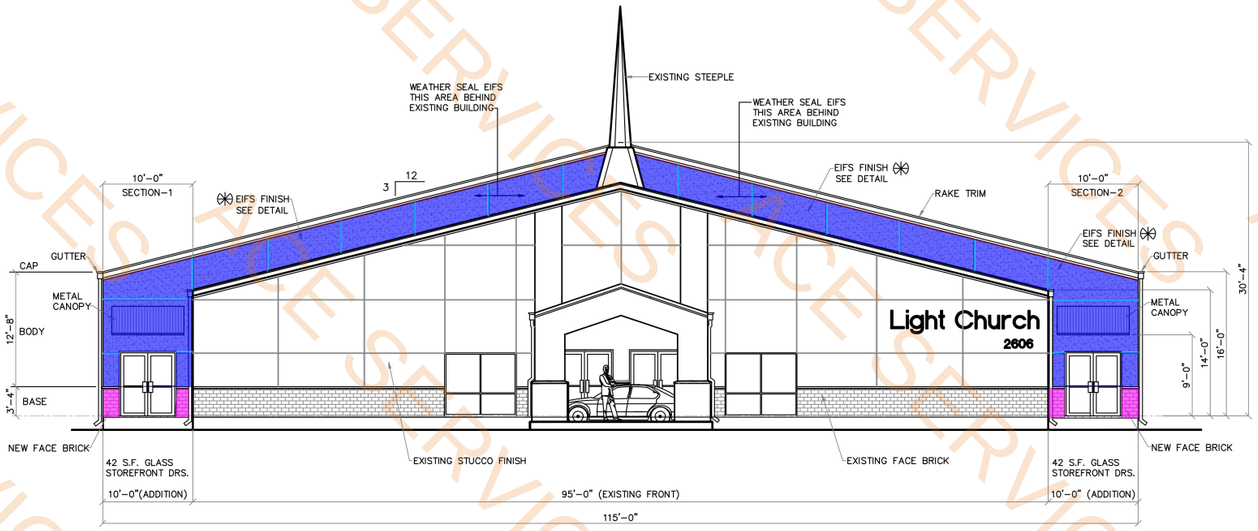
11/08/2023

SHEET NO.

A3.0

OF 9

ACE SERVICES



NORTH ELEVATION

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

FACADE ELEVATION DESIGN

NORTH ELEVATION

1. MATERIAL OVERLAY

TOTAL FACADE AREA	=	693 S.F.
AREA OF WINDOWS AND DOORS	=	24 S.F.
TOTAL WALL AREA FOR MATERIAL CALC.	=	609 S.F.
REQUIRED BRICK/STONE/CAST STONE DEVELOPMENT (X.75)	=	456 S.F. MIN.
PROVIDE BRICK/STONE/CAST STONE	=	24 S.F.

2. COMPOSITION OVERLAY
SEE ABOVE

3. SCALE OVERLAY
SEE ABOVE

4. PROPORTION OVERLAY

BUILDING SEGMENT 1 RATIO	HEIGHT=16'-0"	WIDTH=10'-0"
DOOR RATIO	HEIGHT=7'-0"	WIDTH =6'-0"
BUILDING SEGMENT 2 RATIO	HEIGHT=16'-0"	WIDTH=10'-0"
DOOR RATIO	HEIGHT =7'-0"	WIDTH=6'-0"

5. RHYTHM OVERLAY
SEE ABOVE

6. TRANSPARENCY OVERLAY

GROUND LEVEL SURFACE AREA	=	693 S.F.
AREA OF REQUIRED DOORS AND WINDOWS	=	84 S.F.
GROUND LEVEL GLAZING PROVIDED	=	N/A.
UPPER LEVEL SURFACE AREA	=	N/A
AREA OF REQUIRED DOORS AND WINDOWS	=	N/A
UPPER LEVEL GLAZING PROVIDED	=	N/A

7. ARTICULATION OVERLAY

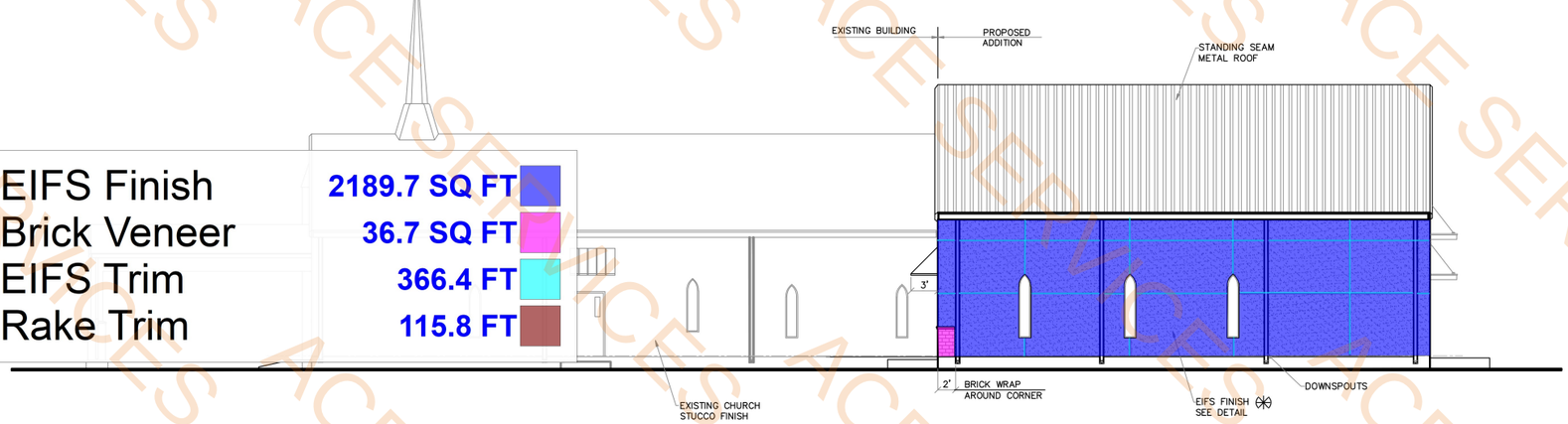
TOTAL BUILDING HEIGHT	= 30'-4"
BASE	= 3'-4"
BODY	= 12'-8"
CAP	= 6 IN.

MINIMUM HEIGHT OF BODY (X.50) = 6'-4"

8. EXPRESSION OVERLAY
SEE ABOVE

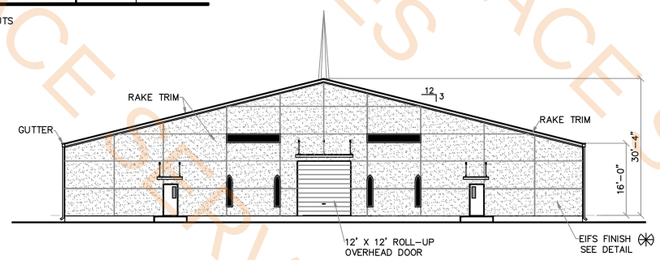
9. COLOR OVERLAY
REFER TO COLOR RENDERINGS INCLUDED WITH THIS SUBMITTAL

EIFS Finish	2189.7 SQ FT
Brick Veneer	36.7 SQ FT
EIFS Trim	366.4 FT
Rake Trim	115.8 FT



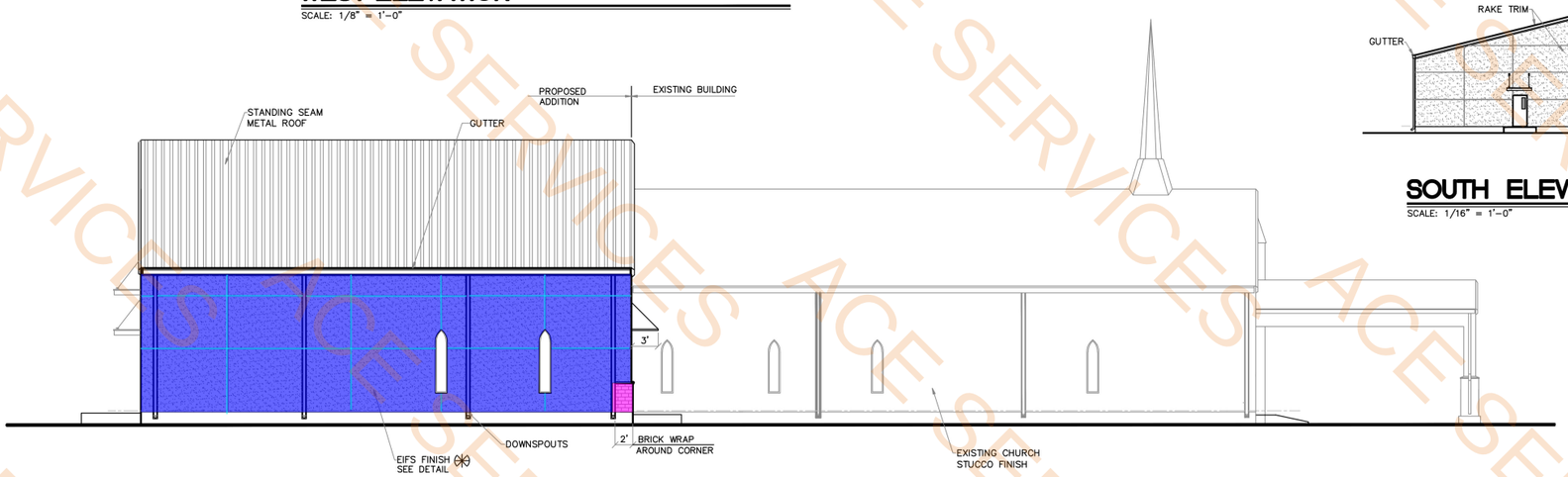
WEST ELEVATION

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



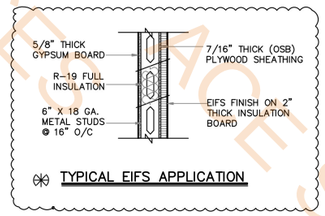
SOUTH ELEVATION

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



EAST ELEVATION

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



TYPICAL EIFS APPLICATION

CASE NUMBER: SP1123-0420

REVISIONS

	DATE	RESPONSE

ARCHITECT
P M D ARCHITECTS
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BUILDING FACADE / ELEVATION PLAN
PROPOSED ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS

LIGHT CHURCH, EASTFIELD PLAZA ADDITION, LOT-5, BLOCK-C

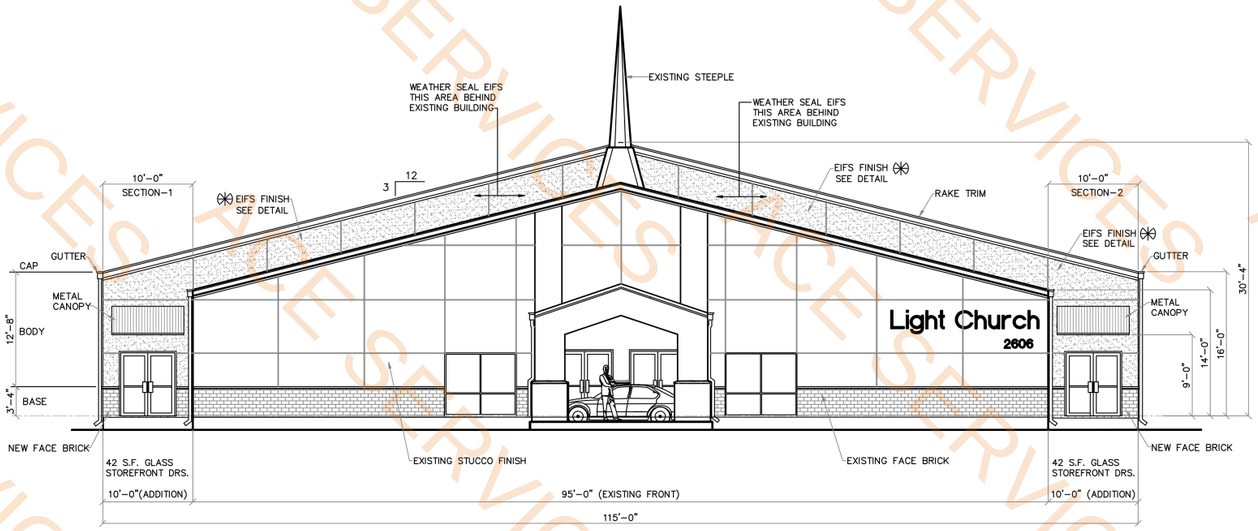
JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/PD
DATE:	11/20/2023

SHEET TITLE:
■ ELEVATIONS

REGISTERED ARCHITECT PAUL M. DEELEY 18885 STATE OF TEXAS
11/08/2023

SHEET NO.
A4.0
OF 9

ACE SERVICES



NORTH ELEVATION

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

NORTH ELEVATION

1. MATERIAL OVERLAY

TOTAL FACADE AREA	=	693 S.F.
AREA OF WINDOWS AND DOORS	=	24 S.F.
TOTAL WALL AREA FOR MATERIAL CALC.	=	609 S.F.
REQUIRED BRICK/STONE/CAST STONE DEVELOPMENT (X.75)	=	456 S.F. MIN.
PROVIDE BRICK/STONE/CAST STONE	=	24 S.F.

2. COMPOSITION OVERLAY
SEE ABOVE

3. SCALE OVERLAY
SEE ABOVE

4. PROPORTION OVERLAY

BUILDING SEGMENT 1 RATIO HEIGHT=16'-0" WIDTH=10'-0"
DOOR RATIO HEIGHT=7'-0" WIDTH =6'-0"
BUILDING SEGMENT 2 RATIO HEIGHT=16'-0" WIDTH=10'-0"
DOOR RATIO HEIGHT =7'-0" WIDTH=6'-0"

5. RHYTHM OVERLAY
SEE ABOVE

6. TRANSPARENCY OVERLAY

GROUND LEVEL SURFACE AREA	=	693 S.F.
AREA OF REQUIRED DOORS AND WINDOWS	=	84 S.F.
GROUND LEVEL GLAZING PROVIDED	=	N/A.
UPPER LEVEL SURFACE AREA	=	N/A
AREA OF REQUIRED DOORS AND WINDOWS	=	N/A
UPPER LEVEL GLAZING PROVIDED	=	N/A

7. ARTICULATION OVERLAY

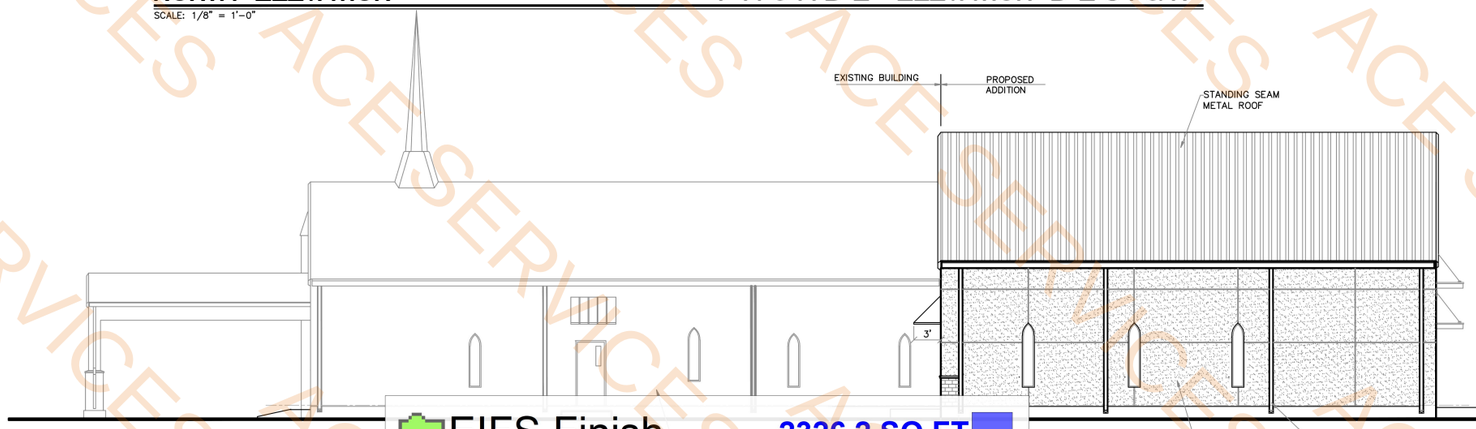
TOTAL BUILDING HEIGHT	= 30'-4"
BASE	= 3'-4"
BODY	= 12'-8"
CAP	= 6 IN.

MINIMUM HEIGHT OF BODY (X.50) = 6'-4"

8. EXPRESSION OVERLAY
SEE ABOVE

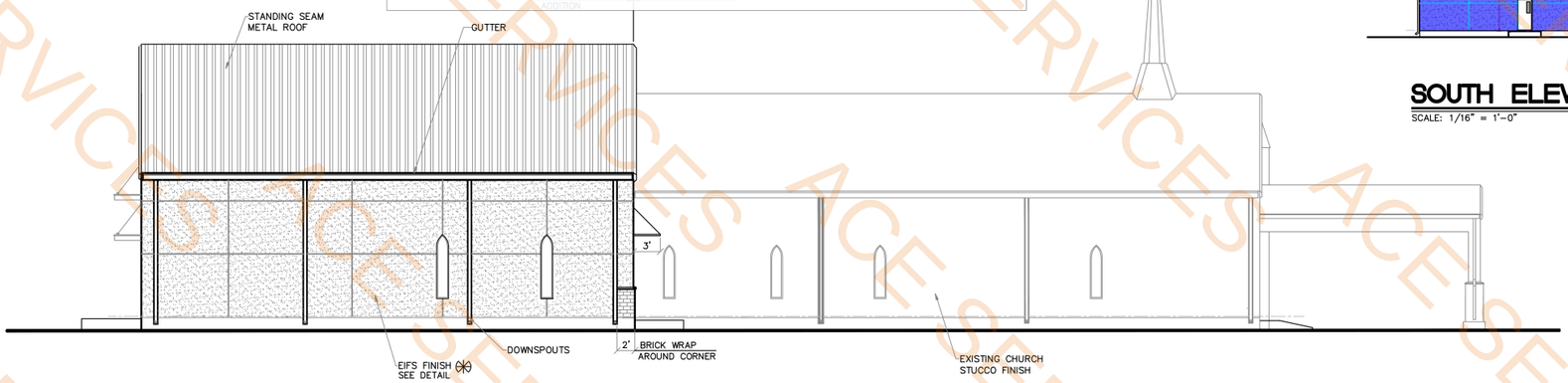
9. COLOR OVERLAY
REFER TO COLOR RENDERINGS INCLUDED WITH THIS SUBMITTAL

FACADE ELEVATION DESIGN



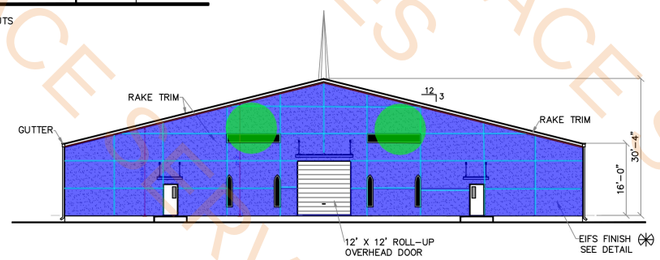
WEST E

SCALE: 1/8" = 1'



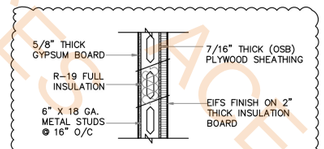
EAST ELEVATION

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



SOUTH ELEVATION

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



TYPICAL EIFS APPLICATION

CASE NUMBER: SP1123-0420

REVISIONS

	DATE	RESPONSE

ARCHITECT
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BUILDING FACADE / ELEVATION PLAN
PROPOSED ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/PD
DATE:	11/20/2023

SHEET TITLE:
■ ELEVATIONS

REGISTERED ARCHITECT PAUL M. DEELEY 18885 STATE OF TEXAS

11/08/2023

SHEET NO.
A4.0
OF 9

LIGHT CHURCH, EASTFIELD PLAZA ADDITION, LOT-5, BLOCK-C

ACE SERVICES

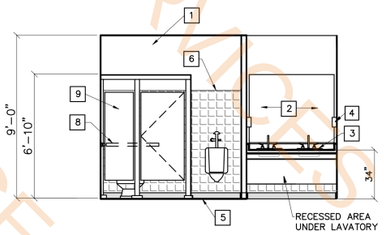
ROOM FINISH SCHEDULE

ROOM NAMES	FLOOR					BASE			WALLS						CEILING				CEILING HEIGHT	REMARKS
	SEALED CONCRETE	IN / OUT DR CARPET	12" x 12" x 1/8" VCT	12" X 12" QUARRY		4" VINYL	6" CERAMIC		TAPE, BED, TEXTURE		6' HIGH CERAMIC				GYPSUM BOARD	24" x 48" SUSP TILE	EXPOSED CEILING			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
ACTIVITY AREA	1					6			9							16			VARIES	CEILING SLOPE
MEN				4			7		9		11			14					9'-0"	
WOMEN				4			7		9		11			14					9'-0"	
STORAGE	1					6			9						15				9'-0"	
EXIT HALL			3			6			9					14					10'-0"	
EXIT HALL			3			6			9					14					10'-0"	
CONCESSION AREA	1					6			9							16			VARIES	CEILING SLOPE

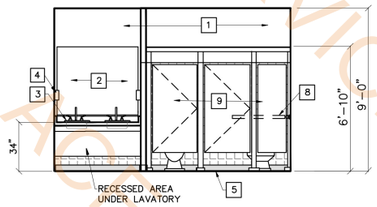
NOTES FROM NUMBERS ABOVE:

1. SEAL CONCRETE WITH W. R. MEADOWS -9CS-309) NON-YELLOWING ACRYLIC CURING AND SEALING COMPOUND, ASTM-C309, TYPE I, CLASS B.
2. IN / OUT DOOR CARPET (NO PAD). CONTRACTOR SHALL WILL SUBMIT SAMPLS TO OWNER FOR APPROVAL.
3. STANDARD EXCELON VINYL COMPOSITION TILE 12" X 12" X 1/8" EQUAL TO ARMSTRONG FED. SPEC. SS-T-312B (1), TYPE IV, COMP.1
4. 12" X 12" QUARRY TILE WITH COLOR GROUT.
6. 4" HIGH VINYL BASE - EQUAL TO ARMSTRONG #165 ALMOND, OR SUBMIT COLOR SAMPLES TO OWNER
7. 6" HIGH CERAMIC TILE BASE
9. GYPSUM BOARD FINISH SHALL BE LIGHT TEXTURE, SELECT SAMPLES FOR OWNER APPROVAL
11. 10" X 10" X 6'-0" HIGH CERAMIC TILE, EQUAL TO FLORIDA TILE .
14. GYPSUM BOARD FINISH SHALL BE LIGHT TEXTURE, SELECT SAMPLES FOR OWNER APPROVAL.
15. 24" X 48" X 5/8" SUSPENDED ACOUSTICAL TILE - EQUAL TO ARMSTRONG NO. 755, (SURFACE MOUNTED TEES) FISSURED MINABOARD.
16. EXPOSED VINYL INSULATION BACKING UNDER METAL BUILDING ROOF DECK.

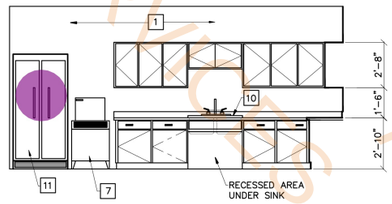
- Refrigerator (By Owner) 1.0 EA
- Tag A Bathroom Accessory 2.0 EA
- Tag B Bathroom Accessory 3.0 EA
- Tag C Bathroom Accessory 2.0 EA
- Tag D Bathroom Accessory 4.0 EA
- Tag F Bathroom Accessory 2.0 EA
- Tag G Bathroom Accessory 2.0 EA
- Grab Bars 4.0 EA



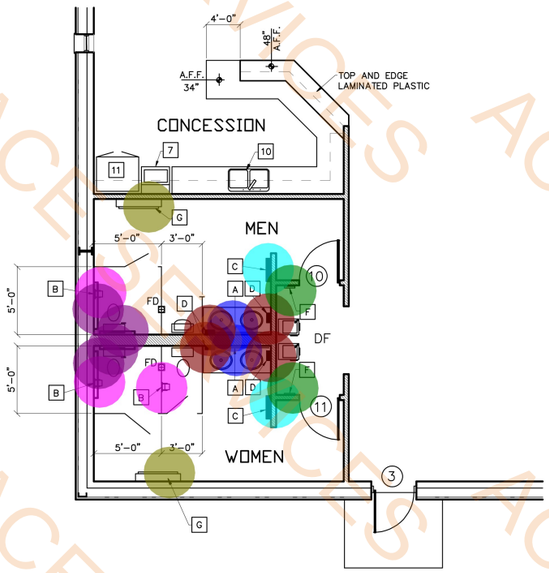
② **MEN ELEVATION**
SCALE: 5/16" = 1'-0"



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



④ **CONCESSION ELEVATION**
SCALE: 5/16" = 1'-0"



① **ENLARGED PLAN**

CONSTRUCTION NOTES

1. GYPSUM BOARDS TAPE, BEDDED, APPLY VINYL WALL COVERING.
2. FIXED MIRROR
3. LAVATORY SINK WITH 4" LONG FAUCET HANDLES.
4. SOAP DISPENSER
5. 6" HIGH CERAMIC TILE BASE.
6. 10" X 10" X 6'-0" HIGH CERAMIC TILE
7. ICE MAKER WITH BIN ABOVE, TYPE SELECTED BY OWNER.
8. 1 1/2" ROUND STAINLESS STEEL GRABS BARS MOUNTED 34" TO 36" ABOVE FINISH FLOOR.
9. OVERHEAD METAL PARTITIONS COLOR SELECTED BY OWNER.
10. DOUBLE STAINLESS STEEL SINK WITH 4" LONG FAUCET HANDLES.
11. REFRIGERATOR FURNISH BY OWNER.

RESTROOM ACCESSORIES

- A MIRRORS FASTENED TO WALL WITH EDGE CLIPS. MIRRORS SHALL BE 1/4" POLISHED PLATED GLASS COPPER PROTECTED, GUARANTEED FOR FIVE (5) YEARS AGAINST SILVER SPOILAGE, MOUNTED 40" ABOVE FINISH FLOOR, 36" TELL.
- B CHROME PLATED TOILET HOLDER, DUAL ROLL TYPE 21" A.F.F. EQUAL TO GRAINGER NO. 3P914.
- C CHROME PLATED PAPER TOWEL HOLDER, CABINET TYPE, MOUNTED 40" A.F.F. EQUAL TO GRAINGER NO. 5W777 WITH WASTE CONTAINER
- D SOAP DISPENSER: EQUAL TO BOBRICK NO. B-155 WALL MOUNTED.
- E GRAB BARS: 1 1/2" O.D. ROUND STAINLESS STEEL GRAB BARS, 42" LONG, MOUNTED 33" ABOVE FINISH FLOOR SUPPORTING 250 POUNDS.
- F RESTROOMS SIGN MOUNTED 60" ABOVE FINISH FLOOR TO CENTER OF SIGN AND 6" FROM DOOR JAMB
- G FOLD DOWN CHANGING TABLE MOUNTED ON WALL 34" ABOVE FINISH FLOOR.

NOTE: PROVIDE WOOD TREATED BLOCKING OR METAL STUD TURN ON EDGE IN WALL FOR RESTROOM ACCESSORIES

REVISIONS

	DATE	RESPONSE

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PROPOSED ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/PD
DATE:	11/5/2023

SHEET TITLE:
- ROOM FINISH SCHEDULE
- INTERIOR ELEVATIONS

REGISTERED ARCHITECT PAUL M. DEELEY 7886 STATE OF TEXAS

11/08/2023

SHEET NO.
A6.0
OF 9

DOOR SCHEDULE

ALL HANDLES, PULLS, LATCHES, AND LOCKS SHALL CONFORM TO TAS 413.4

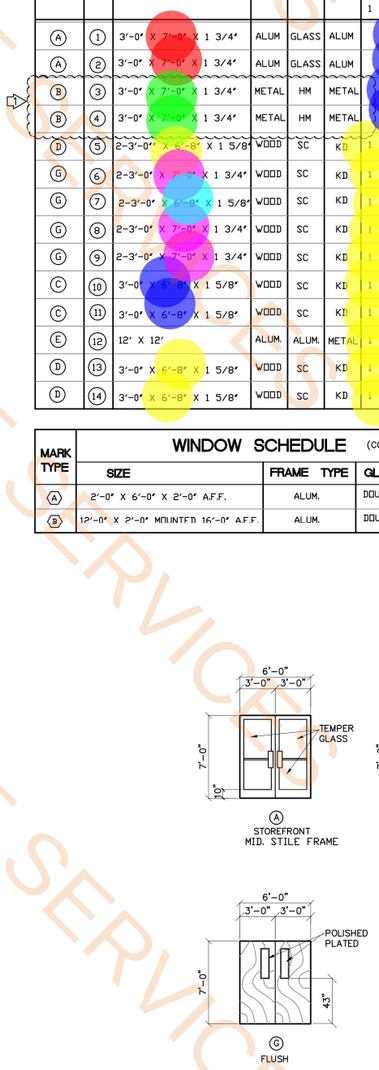
DOOR TYPE	MK	DOOR SIZE	DOOR MATERIAL	DOOR CORE	DOOR FRAME	HARDWARE														DETAILS					REMARKS
						(3) HINGES BUTTS	(4) HINGES BUTTS	SELF CLOSING DEVICE	PANIC EXIT DEVICE	LOCKSET HANDLE	NO LOCKSET HANDLE	DEAD BOLT LOCK	PASSAGE LOCK	SECURE ONE LEAF	ALUM. THRESHOLD	WALL BUMPER STOP	PUSH / PULL PLATE	EXTERIOR PULL HANDLE	STAIN CHROME FINISH	TRANSOM	HEAD	JAMB	THRESHOLD	SILL	20 MIN. FIRE RATED DOOR	
						1	2	3	4	5	6	7	8	9	10	11	12	13	14							ALUM. - ALUMINUM HM - HOLLOW METAL KD - KNOCK DOWN W - WOOD SC - SOLID CORE HC - HOLLOW CORE
A	1	3'-0" X 7'-0" X 1 3/4"	ALUM	GLASS	ALUM													13	14		EE	FF	dd			
A	2	3'-0" X 7'-0" X 1 3/4"	ALUM	GLASS	ALUM													13	14		EE	FF	dd			
B	3	3'-0" X 7'-0" X 1 3/4"	METAL	HM	METAL													13	14		EE	FF	dd			EIFS WALL FINISH
B	4	3'-0" X 7'-0" X 1 3/4"	METAL	HM	METAL													13	14		EE	FF	dd			EIFS WALL FINISH
D	5	2'-3'-0" X 6'-8" X 1 5/8"	WOOD	SC	KD	1				5				9							GG	JJ		HH		
G	6	2'-3'-0" X 7'-0" X 1 3/4"	WOOD	SC	KD	1								9							GG	JJ		HH	●	
G	7	2'-3'-0" X 6'-8" X 1 5/8"	WOOD	SC	KD	1								9							GG	JJ		HH		EXISTING DOORS
G	8	2'-3'-0" X 7'-0" X 1 3/4"	WOOD	SC	KD	1								9							GG	JJ		HH		EXISTING DOORS
G	9	2'-3'-0" X 7'-0" X 1 3/4"	WOOD	SC	KD	1								9							GG	JJ		HH	●	
C	10	3'-0" X 6'-8" X 1 5/8"	WOOD	SC	KD	1										11	12				GG	JJ		HH		
C	11	3'-0" X 6'-8" X 1 5/8"	WOOD	SC	KD	1										11	12				GG	JJ		HH		
E	12	12' X 12'	ALUM.	ALUM.	METAL	1				5																OVERHEAD INSULATED DR.
D	13	3'-0" X 6'-8" X 1 5/8"	WOOD	SC	KD	1				5				9							GG	JJ		HH		
D	14	3'-0" X 6'-8" X 1 5/8"	WOOD	SC	KD	1				5				9							GG	JJ		HH		

WINDOW SCHEDULE

(CONTRACTOR SHALL FIELD VERIFY ALL WINDOW SIZES)

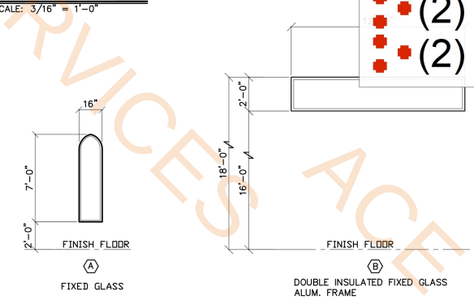
MARK TYPE	SIZE	FRAME TYPE	GLASS TYPE	REMARKS
A	2'-0" X 6'-0" X 2'-0" A.F.F.	ALUM.	DOUBLE INSUL.	FIXED GLASS
B	12'-0" X 2'-0" MOUNTED 16'-0" A.F.F.	ALUM.	DOUBLE INSUL.	FIXED GLASS

- (3) Hinges Butts — 10.0 EA
- (4) Hinges Butts — 4.0 EA
- Self Closing Device — 10.0 EA
- Panic Exit Device — 8.0 EA
- Lockset Handel — 4.0 EA
- Secure One Leaf — 9.0 EA
- Aluminum Threshold — 4.0 EA
- Exterior Pull Handle — 4.0 EA
- Wall Bumper Stop — 2.0 EA
- Push/Pull Plate — 2.0 EA
- 3' x 7' x 1-3/4" Type A Door — 2.0 EA
- 3' x 7' x 1-3/4" Type B Door — 2.0 EA
- (2) 3' x 6'-8" x 1-5/8" Type D Door — 3.0 EA
- 3' x 6'-8" x 1-5/8" Type C Door — 2.0 EA
- (2) 3' x 7'-0" x 1-3/4" Type G Door — 3.0 EA
- (2) 3' x 6'-8" x 1-5/8" Type G Door — 1.0 EA



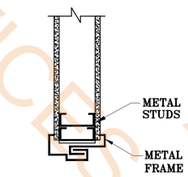
DOOR TYPES

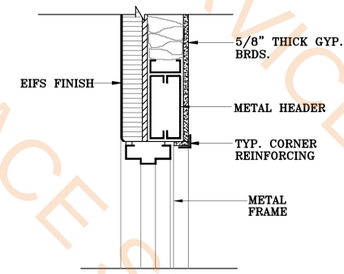
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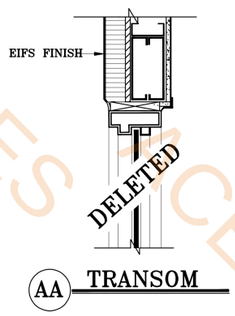


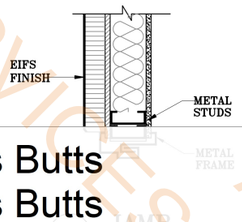
WINDOW TYPES

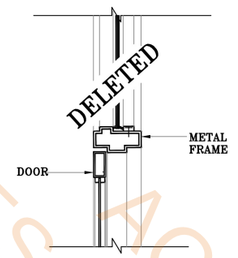
SCALE: 3/16" = 1'-0"

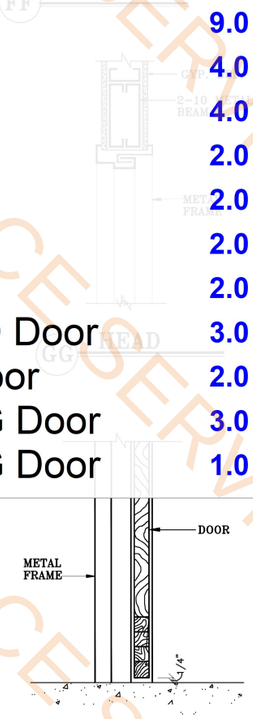


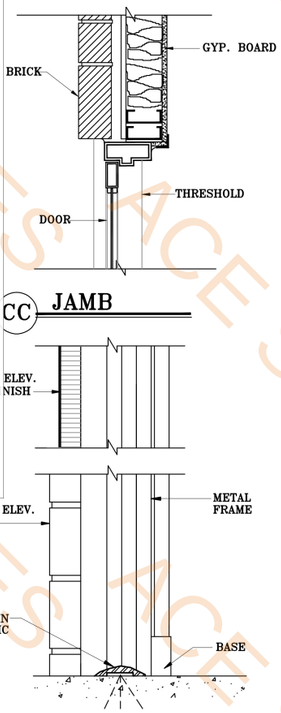












(USE ONLY SECTIONS THAT APPLY)

REVISIONS

	DATE	RESPONSE
1	6/10/24	CORRECTED DR. 3 & 4

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PROPOSED ACTIVITY BUILDING ADDITION FOR

LIGHT CHURCH

2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/PD
DATE:	11/05/2023

SHEET TITLE:
- DOOR SCHEDULE
- DOOR / WINDOW TYPES
- DETAILS

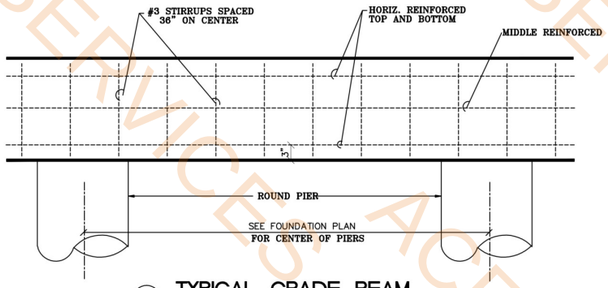
REGISTERED ARCHITECT PHIL M DEELEY 18868 STATE OF TEXAS

11/08/2023

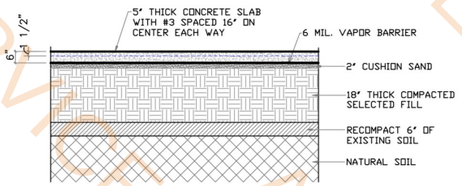
SHEET NO.

A7.0

OF 9

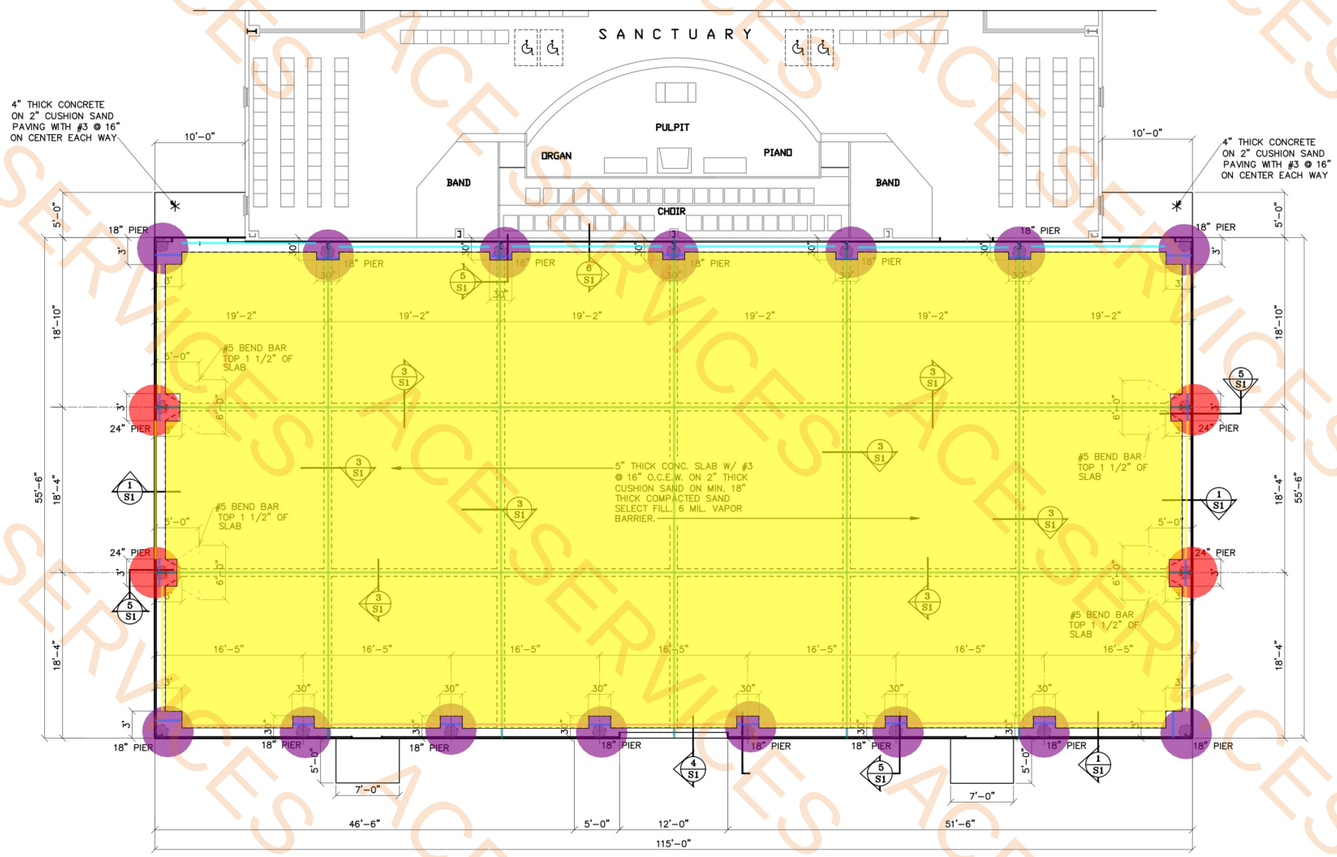


9 TYPICAL GRADE BEAM



8 TYPICAL SLAB PAD

18" Dia Pier, H: 6'-0"	15.0 EA
24" Dia Pier, H: 6'-0"	4.0 EA
(1'-6" H x 0'-10" W) Concrete Beam w/ (0.18 SF)Thickened Edge	510.0 FT
(1/S1)	87.7 FT
(4/S1)	94.8 FT
(6/S1)	97.4 FT
(5/S1)	52.2 FT
5" THK Concrete Slab w/ #3 Bar @ 16" O.C E.W	5984.9 SQ FT

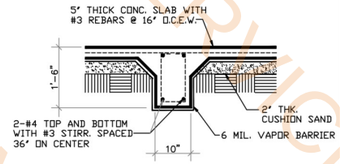


NORTH

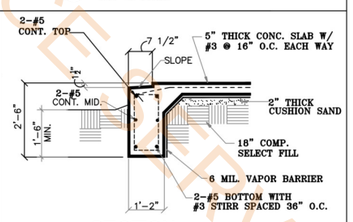
FOUNDATION PLAN

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

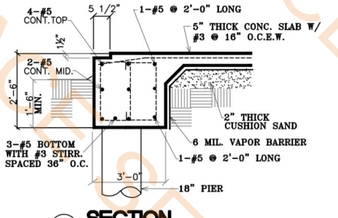
DETAILS



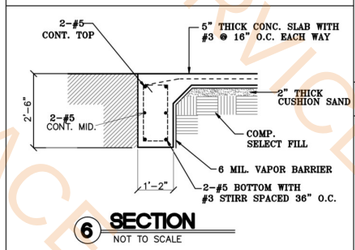
3 SECTION
NOT TO SCALE



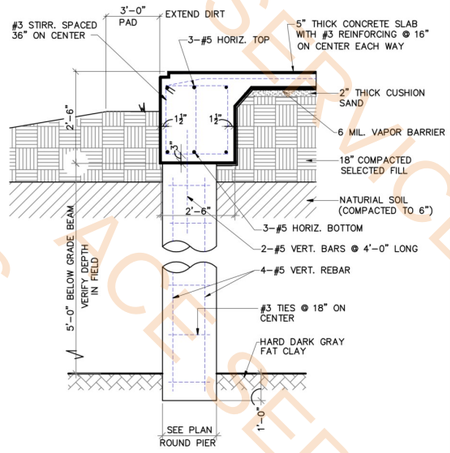
4 SECTION
NOT TO SCALE



5 SECTION
NOT TO SCALE



6 SECTION
NOT TO SCALE



7 TYPICAL DRILLED PIER DETAIL

CONSTRUCTION NOTES

FOUNDATION NOTES:

1. PRIOR TO CONSTRUCTION OF FOUNDATION SLAB, THE CONTRACTOR MUST SEND A SAMPLE OF THE EXISTING SOIL BELOW THIS PROPOSED SLAB AND A SAMPLE OF THE SELECT FILL TO A LOCAL TESTING LABORATORY (EX. SOUTHWESTERN LAB) TO DETERMINE THE MAXIMUM DENSITY OF THE EXISTING SOIL AND SELECT FILL AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D-698.
2. DURING CONSTRUCTION, THE TOP 6" OF THE EXISTING SOIL BELOW THIS SLAB SHALL BE SCARIFIED AND RECOMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH ASTM D-698. ONE FIELD TEST FOR MAXIMUM DENSITY SHALL BE PERFORMED BY LAB REPRESENTATIVE FOR EACH 600 SQ. FT. OF AREA.
3. ALL SELECT FILL SHALL BE PLACED IN LAYERS OF 6" WITH EACH LAYER COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D-698. ONE FIELD TEST FOR MAXIMUM DENSITY SHALL BE PERFORMED BY LAB REPRESENTATIVE FOR EACH 500 SQ. FT. PER LAYER OF SOIL IN PLACE.
4. IN ADDITION TO THE REQUIREMENT IN NOTE NO. 1, THE OWNER MUST HAVE THE TEST LABORATORY DETERMINE THE PI (PLASTIC INDEX) OF EXISTING SOIL. IF PI IS 30 OR GREATER, AT LEAST 18" OF THE EXISTING SOIL SHALL BE REMOVED UNDER SLAB AND REPLACED WITH SELECT FILL (COMPACTED).

CONCRETE NOTES

A. CONCRETE SHALL BE PORTLAND CEMENT OR EQUAL TO MEET THE REQUIRED 3,000 P.S.I. AT 28TH DAY MINIMUM COMPRESSIVE STRENGTH, 5 SACKS OF MIX.

B. CEMENT SHALL CONFORM TO ASTM-C150, TYPE I.

C. WATER USED FOR CONCRETE SHALL BE MIXED WITH CLEAN WATER AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALINES, ORGANIC OR OTHER DELETERIOUS SUBSTANCES.

D. THE CONTRACTOR SHALL USE READY MIXED CONCRETE.

E. FRESHLY POURED CONCRETE SHALL BE TAMPED INTO PLACED BY STEEL RAMMER, SLICING TOOLS OR MACHANICAL VIBRATORS, UNTIL CONCRETE IS THOROUGHLY COMPACT AND WITHOUT VOID.

F. CONCRETE SHALL HAVE A SLUMP RANGE OF 4" TO 5".

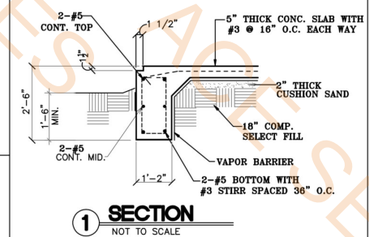
REINFORCEMENTS:

A. ALL REINFORCING STEEL SHALL BE DEFORM TYPE BARS AND CONFORM TO ASTM-A 615, GRADE 60, PLACED IN THE TOP 1 1/2" OF SLAB. 1 1/2" ON BOTH SIDES OF FOOTING AND THREE (3) INCHES FROM BOTTOM OF FOOTING, EXCEPT OTHERWISE NOTED IN PARAGRAPH (B).

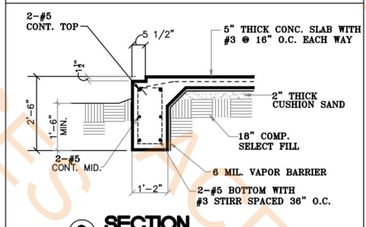
B. ALL TIES AND STIRRUPS SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A 615, GRADE 40.

C. REINFORCEMINT STEEL, BARS AND WIRE FABRIC SHALL BE THOROUGHLY CLEANED BEFORE PLACING AND AGAIN BEFORE THE CONCRETE IS PLACED, SHALL BE ACCURATELY POSITIONED AND SECURED IN PLACE. METAL SPACERS SHALL BE USED TO SECURE THE PROPER BRACING OF THE STEEL. STIRRUPS SHALL BE ACCURATELY AND SECURELY WIRED TO BARS AT BOTH TOP AND BOTTOM. NO BRICK OR POROUS MATERIALS MAY BE USED TO SUPPORT THE STEEL OFF THE GROUND

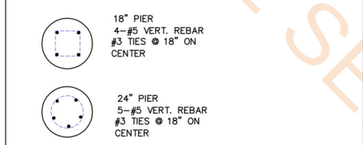
DETAIL



1 SECTION
NOT TO SCALE



2 SECTION
NOT TO SCALE



REVISIONS

	DATE	RESPONSE

E. M. FAGGETT ENGINEERING
104 OAK TRAIL
RENDON, TEXAS 76028
(817) 478-4996
FIRM REGISTRATION NO. F-11761

JOHN TAYLOR and ASSOCIATES
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FORT WORTH, TEXAS 76112
OFFICE: 817.446.1364 / FAX: 817.446.1307
E-MAIL: taylor7677@sbcglobal.net

PROPOSED ACTIVITY BUILDING ADDITION FOR

LIGHT CHURCH

2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/EF
DATE:	11/05/2023

SHEET TITLE:
- FOUNDATION PLAN
- DETAILS

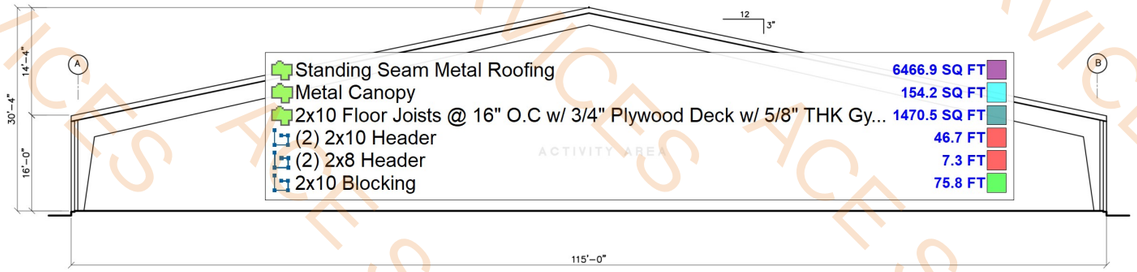
STATE OF TEXAS
EDWARD FAGGETT
37209
REGISTERED PROFESSIONAL ENGINEER
Edward Faggett
11/08/2023

SHEET NO.

S1.0

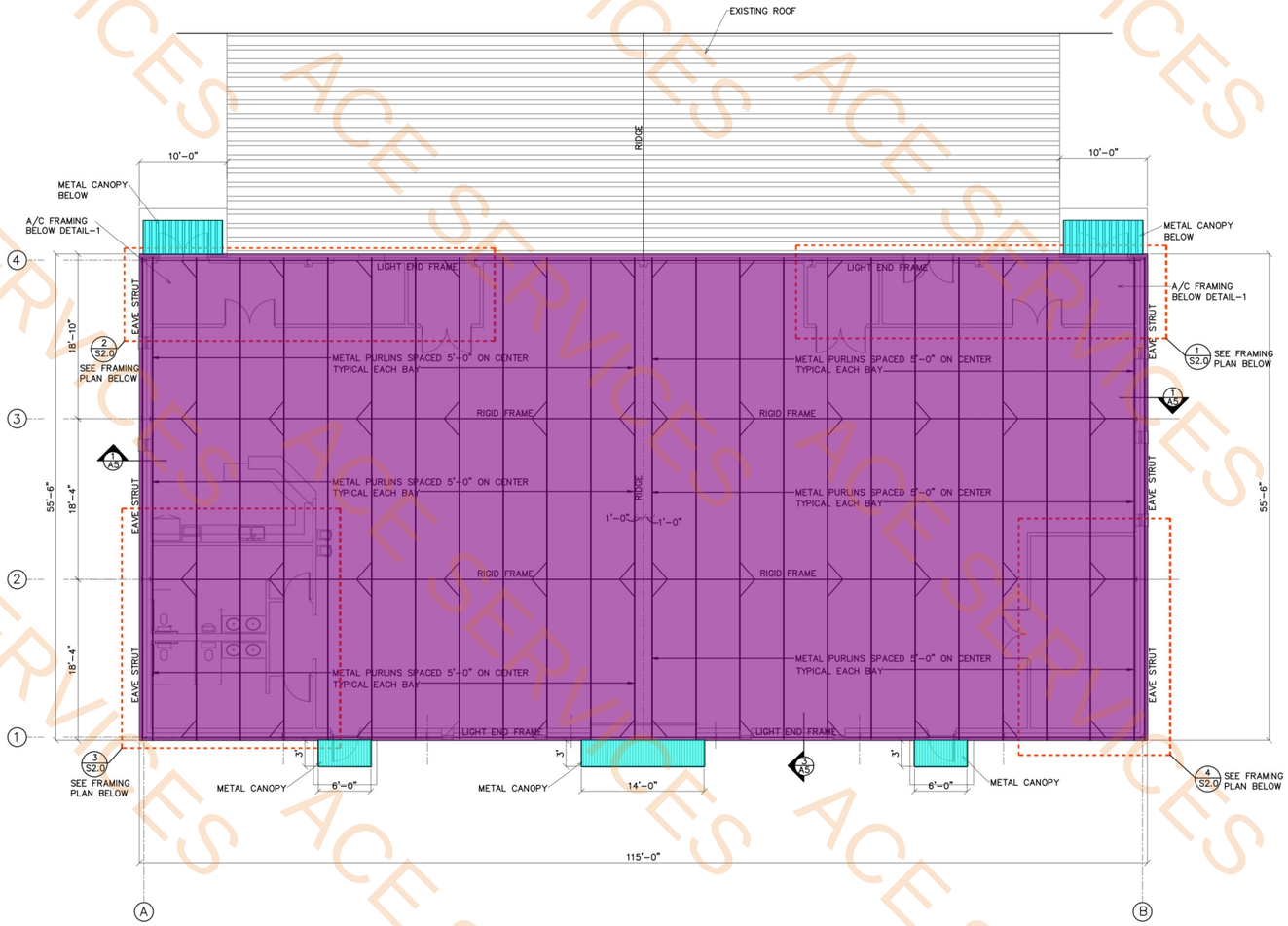
OF 2

ACE SERVICES



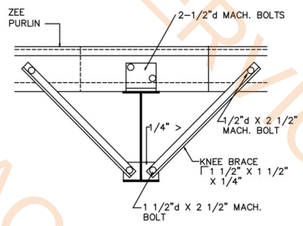
TYPICAL CROSS SECTION

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

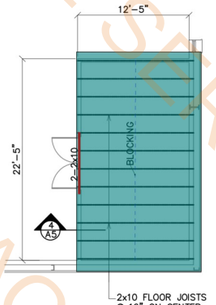


ROOF FRAMING PLAN

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



BRACE DETAIL



4 STORAGE FRAMING PLAN

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

CONSTRUCTION NOTES

STEEL FRAMING:

A. SHALL CONFORM TO ASTM A-36 AND THE STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION EIGHTH EDITION

B. WELDING SHALL CONFORM TO AWS D1.1, STRUCTURAL WELDING CODE, LATEST EDITION. WELDS NOT CALLED OUT ON THE DRAWING SHALL BE 3/16" MIN. CONTINOUS FILLET WELDS. WELDING ELECTRODES SHALL CONFORM TO AWS A5.1 OR A5.5 E70XX.

C. ANCHOR BOLTS SHALL CONFORM TO ASTM A-36 FOR HOOKED ANCHOR BOLTS, AND SHALL BE SET WITH RIDGED TEMPLATES.

D. ALL FRAMING MEMBERS SHALL BE SHOP-FABRICATED FOR BOLTED FIELD ASSEMBLY, UNLESS NOTED OTHER-WISE. ALL FRAMING MEMBER BOLTS SHALL BE HIGH STRENGTH MEETING ASTM A-307 OR A-325.

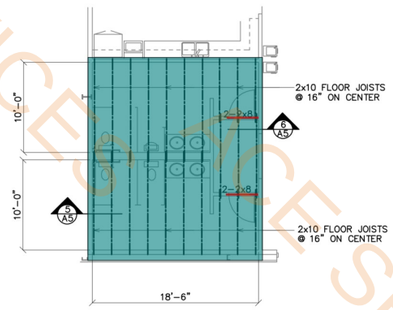
E. ALL STRUCTRUAL MEMBERS SHLL BE CLEANED TO REMOVE ALL DIRT, GREASE, OIL AND LOOSE MILL SCALE, AND GIVEN ONE SHOP COAT OF PRIMER PAINT. PRIMER SHALL BE EQUAL TO OR EXCEED THE END PERFORMANCE REQUIREMENTS OF FEDERAL SPEC. TTP-636.

ROOF PURLINS:

A. ALL ROOF PURLINS SHALL BE COLD FORMED FROM STEEL WITH A MINUMUM YIELD STRENGTH OF 50 KSI AND WILL CONFORM TO THE PHYSICAL SPECIFICATIONS OF ASTM A-607, GRADE 50.

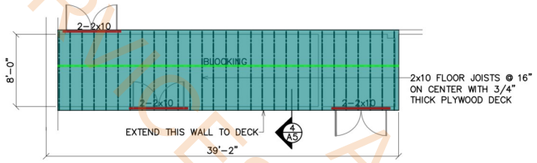
NOTES:

1. METAL BUILDING DESIGNED AND ENGINEERED BY METAL BUILDING COMPANY
2. METAL BUILDING IS DESIGNED FOR 115 MPH WIND AND EXPOSURE "C" WITH NO REDUCTIONS
3. DESIGN LOADS:
   THE STEEL FRAME SHALL BE DESIGNED TO WITHSTAND THE FOLLOWING LOAD COMBINATIONS:
   W + D + \ LL
   W + D
   D + LL



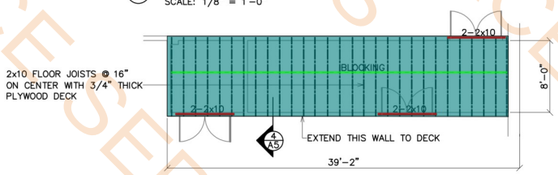
3 RESTROOM CEILING FRAMING PLAN

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



2 A/C FRAMING PLAN

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



1 A/C FRAMING PLAN

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

REVISIONS

	DATE	RESPONSE
1	6/10/24	CITY COMMENTS

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PROPOSED ACTIVITY BUILDING ADDITION FOR

LIGHT CHURCH

2606 JOHN WEST ROAD
MESQUITE, TEXAS

JOB NO.	2023
DRAWN BY:	JET
CHECK BY:	JET/EF
DATE:	11/05/2023

SHEET TITLE:
- FOUNDATION PLAN
- DETAILS

STATE OF TEXAS
EDWARD FAGGETT
37209
REGISTERED PROFESSIONAL ENGINEER

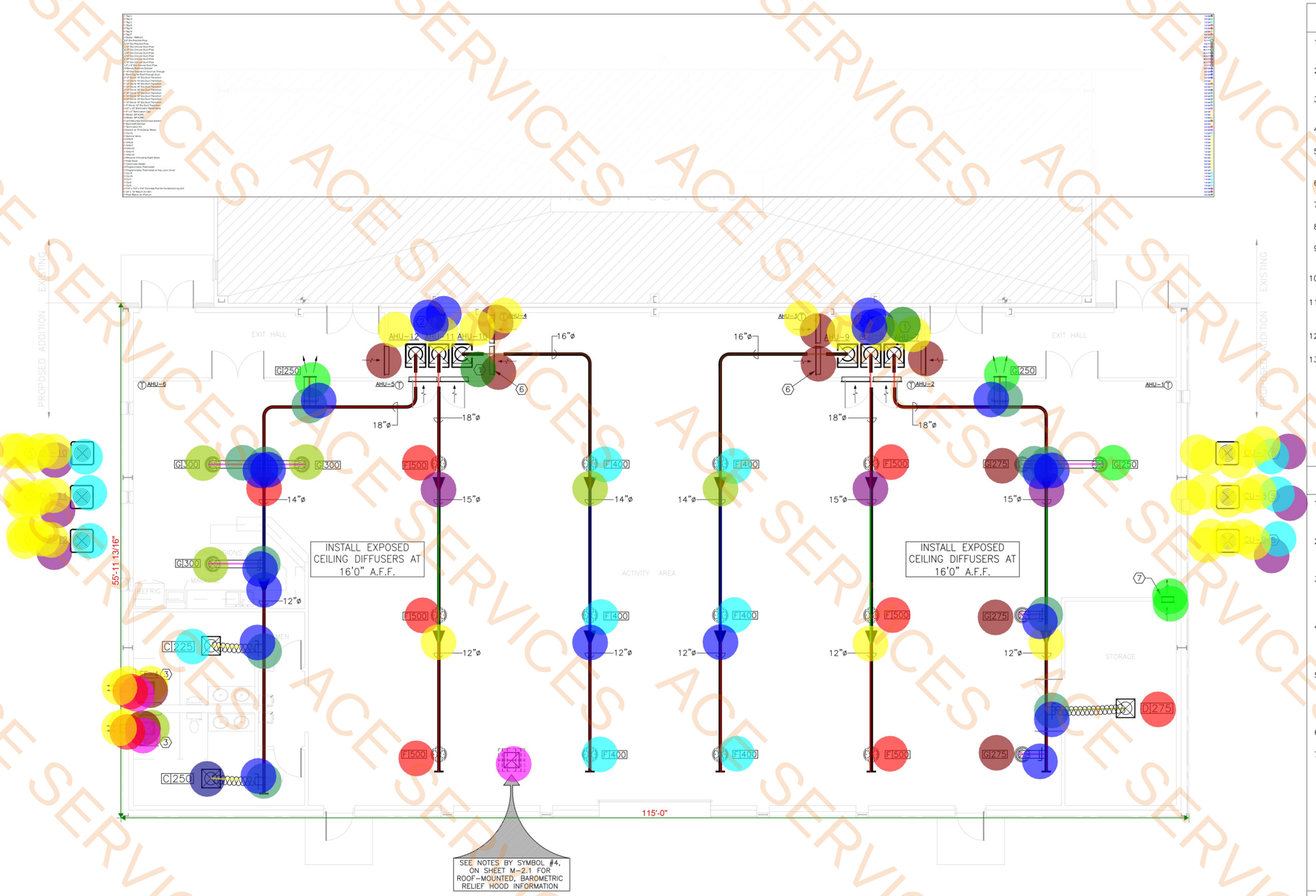
EDWARD FAGGETT
11/08/2023

SHEET NO.

S2.0

OF 2

ACE SERVICES ACE SERVICES ACE SERVICES



GENERAL NOTES

1. MOUNT T-STATS AT 4'-0" A.F.F. UNLESS OTHERWISE INDICATED. T-STAT IS SUPPLIED AND WIRED BY THE MECHANICAL CONTRACTOR.
2. FIELD VERIFY ARCHITECTURAL AND STRUCTURAL BUILDING CONDITIONS PRIOR TO DUCT AND EQUIPMENT FABRICATION. COORDINATE FOR CORRECT INSTALLATION.
3. PERFORM ALL WORK IN ACCORDANCE WITH CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES.
4. ALL DUCT SIZES SHOWN ON THE DRAWINGS ARE NET INSIDE CLEAR DIMENSIONS.
5. PROVIDE A LOCKING QUADRANT VOLUME DAMPER AT THE TAP OF EACH RUN-OUT TO DIFFUSERS & GRILLES, FOR BALANCING PURPOSES. NO EXCEPTIONS!
6. ALL DUCTWORK CONSTRUCTION AND INSTALLATION SHALL CONFORM TO SMACNA AND ASHRAE RECOMMENDATIONS.
7. ALL SUPPLY AIR AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED, UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL LIMIT THE AMOUNT OF FLEXIBLE DUCTWORK TO 8 FEET. NO EXCEPTIONS!
9. ALL DUCT RUNOUTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE SCHEDULED NECK SIZE UNLESS OTHERWISE INDICATED.
10. COORDINATE ALL CEILING DIFFUSER/GRILLE LOCATIONS WITH LIGHTS, SPRINKLER HEADS AND OTHER CEILING DEVICES.
11. RECTANGULAR DUCTWORK IN LIEU OF ROUND IS ACCEPTABLE. CONVERSION FROM RECTANGULAR TO ROUND (OR VICE VERSA) SHALL CONFORM TO SMACNA GUIDELINES.
12. CONTRACTOR SHALL SEAL ALL ROOF PENETRATIONS AIR & WATER TIGHT.
13. IN ACCORDANCE WITH THE 2018 I.E.C.C, ALL SUPPLY DUCTWORK SHALL BE PROVIDED WITH DUCT WRAP OR DUCT LINER WITH A MINIMUM INSULATING VALUE OF R-8. ALL RETURN DUCTWORK SHALL BE PROVIDED WITH DUCT WRAP OR DUCT LINER WITH A MINIMUM INSULATING VALUE OF R-6.

NOTES BY SYMBOL "⬡":

1. VERTICAL SPLIT SYSTEM A/C UNIT MOUNTED ON 18" HIGH RAISED FLOOR RETURN AIR PLENUM. REFER TO PLUMBING DRAWINGS FOR CONDENSATE DRAIN PIPING. SEE SCHEDULE FOR CAPACITY AND DETAIL FOR ADDITIONAL INFORMATION.
2. 16"ø OUTSIDE AIR DUCT UP THRU ROOF TO LOW-PROFILE, WEATHER-RESISTANT ROOF CAP SIMILAR TO GREENHECK MODEL GRSF-16. BALANCE MANUAL DAMPER TO SCHEDULED CFM. SEE DETAIL FOR MORE INFORMATION.
3. CEILING-MOUNTED IN-LINE EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE. EXTEND A 8/6 EXHAUST DUCT OVER THRU EXTERIOR WALL AND TERMINATE WITH WALL CAP SIMILAR TO GREENHECK MODEL WC-8. SEE SCHEDULE FOR CAPACITY.
4. ROOF-MOUNTED, BAROMETRIC RELIEF HOOD WITH A 20" x 20" THROAT OPENING, INTEGRAL COUNTER-WEIGHT BALANCED DAMPER, SET TO START-OPEN AT 0.05" WC. HOOD SHALL BE GREENHECK MODEL FGR-20 x 20 WITH MODEL BR DAMPER OR EQUAL.
5. AIR-COOLED CONDENSING UNIT ON 4" CONCRETE PAD. EXTEND REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT AS RECOMMENDED BY THE UNIT MANUFACTURER. SEE DETAIL FOR ADDITIONAL REQUIREMENTS/INFORMATION AND SCHEDULE FOR UNIT CAPACITY (TYPICAL ALL UNITS).
6. TYPE "L" RETURN AIR GRILLE INSTALLED AT 5" AFF (TYPICAL OF 10).
7. TWO (2) TYPE "G" GRILLES INSTALLED AT 5" AFF.

LEGEND

⊠	24" X 24" SUPPLY AIR DIFFUSER SEE SCHEDULE FOR ADDITIONAL INFORMATION
⊠	12" X 12" SUPPLY AIR DIFFUSER SEE SCHEDULE FOR ADDITIONAL INFORMATION
▭	24" X 12" RETURN AIR GRILLE SEE SCHEDULE FOR ADDITIONAL INFORMATION
Ⓣ	PROGRAMMABLE THERMOSTAT WITH KEY LOCK COVER (EQUAL TO HVAC UNIT) MOUNTED 48" A.F.F. FOR FRONTAL APPROACH.
⌐	MANUAL BALANCE DAMPER
A.F.F.	ABOVE FINISHED FLOOR
B.O.D.	BOTTOM OF DUCT/DIFFUSER

N W E S

FLOOR PLAN - HVAC

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

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TBPELS FIRM# F-7930 PHONE: (817)929-2373
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PROPOSED NEW ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS 75150

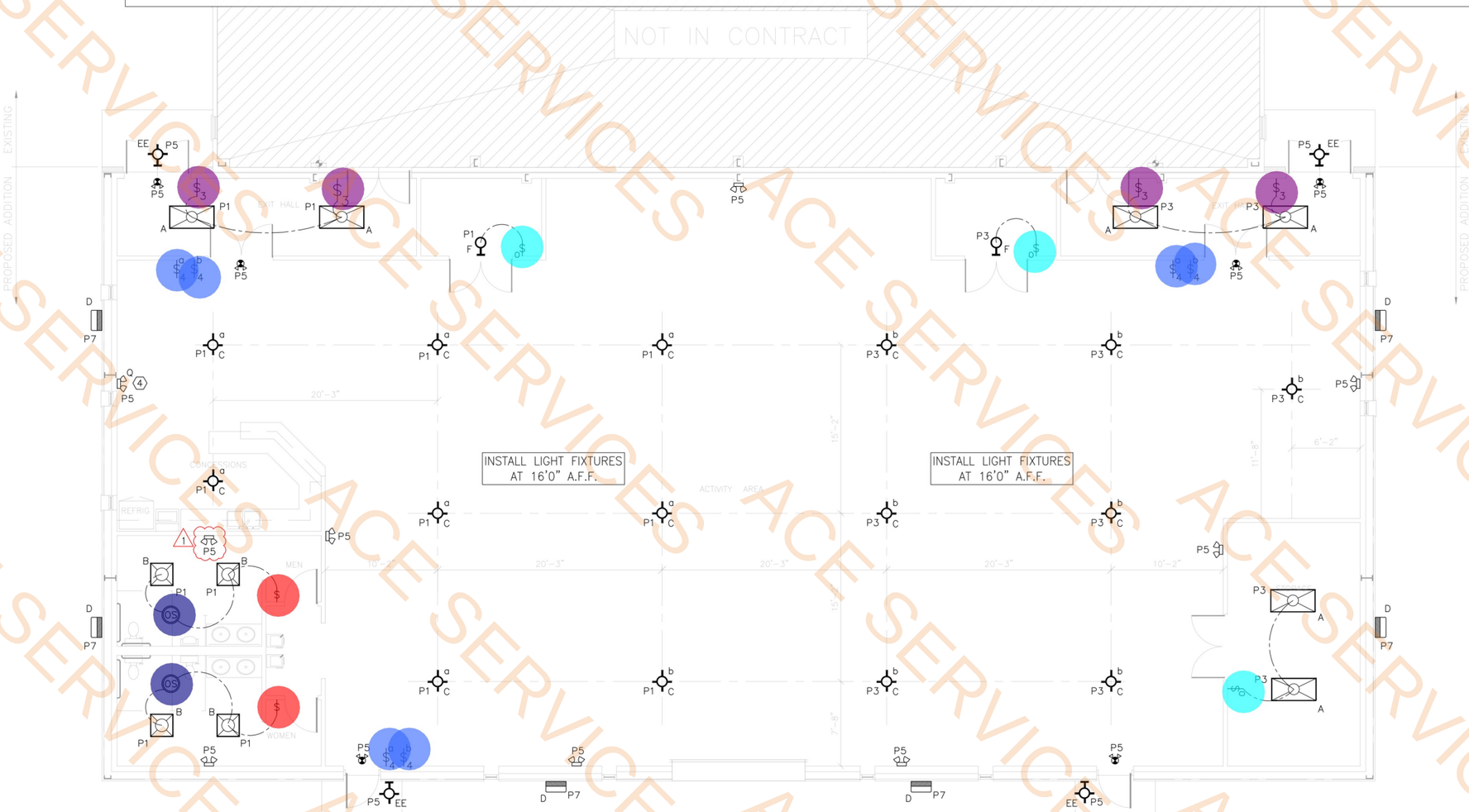
SHEET TITLE:
FLOOR PLAN HVAC

STATE OF TEXAS
ARTHUR F. ELGIN
84638
LICENSED PROFESSIONAL ENGINEER
12/4/23

DATE:	12/4/23
REV #1:	
REV #2:	
REV #3:	
SHEET:	M-2.1

ACE SERVICES

- 3-Way Switch (DPDT) — 4.0 EA
- Wall Switch (SPST) — 2.0 EA
- Wall-Mounted Motion Sensing Light Switch w/ Manual Override, Set to ... — 3.0 EA
- 4-Way Switch — 6.0 EA
- Occupancy Sensor — 2.0 EA



FLOOR PLAN - LIGHTING

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

1 REVISION #1:
- CITY PLAN REVIEW COMMENTS

ADD EMERGENCY EGRESS LIGHT FIXTURE TO MENS RESTROOM

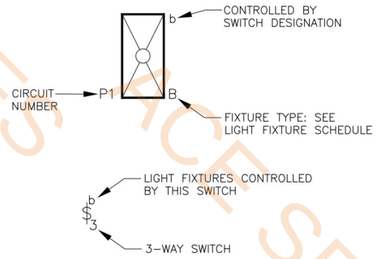
GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.
2. MINIMUM CONDUCTOR SIZE: ALL CIRCUIT HOMERUNS AND CONDUIT AND WIRE CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS.
3. MINIMUM CONDUIT SIZE SHALL BE 1/2" DIAMETER.
4. WIRING AND CONDUIT SIZES SHALL BE BASED ON REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
5. COORDINATE THE EXACT LOCATION OF ALL THERMOSTATS, SENSORS, DISCONNECTS, ETC. AND COORDINATE ALL REQUIREMENTS FOR CONTROL AND POWER WIRING WITH THE MECHANICAL CONTRACTOR OR THE TRADE PROVIDING EQUIPMENT.
6. WHERE RECEPTACLES ARE SHOWN BACK-TO-BACK ON A COMMON WALL, OFFSET THE TWO BOXES AT LEAST SIX INCHES.
7. COORDINATE ALL REQUIREMENTS FOR THE POWER WITH THE LOCAL POWER COMPANY AND ALL REQUIREMENTS FOR THE TELEPHONE SERVICE WITH THE LOCAL TELEPHONE COMPANY.
8. THE CONTRACTOR SHALL OBTAIN AND PAY ALL COSTS FOR REQUIRED PERMITS FOR ELECTRICAL AND TELEPHONE SERVICE.
9. ALL SWITCHES AND RECEPTACLES SHALL BE COMMERCIAL GRADE AND SHALL BE WHITE WITH WHITE PLASTIC COVER PLATES UNLESS INDICATED OTHERWISE.
10. PROVIDE THE TYPE OF MOUNTING HARDWARE AND TRIM NECESSARY FOR THE PROPER INSTALLATION OF SPECIFIED LIGHTING FIXTURES IN THE TYPE OF CEILING WHERE INSTALLED.
11. ALL EXTERIOR LIGHTING FOR THIS PROJECT SHALL BE CONTROLLED ON/OFF BY PHOTOCELL.
12. CONNECT EMERGENCY LIGHT UNITS AND EXIT LIGHTS TO CIRCUIT P5.
13. IN ROOMS/AREAS WITH AN OCCUPANCY SENSOR INDICATED, RUN THE LIGHTING CIRCUIT THROUGH THE ASSOCIATED POWER PACK AHEAD OF THE SWITCH(ES). PARALLEL SENSORS IN ROOMS WITH MULTIPLE SENSORS.
14. WIRING CONSISTS OF SWITCH LEG AND NEUTRAL UNLESS INDICATED OTHERWISE.

NOTES BY SYMBOL "⬡":

LEGEND

LIGHT FIXTURE NOMENCLATURE:



OS — CEILING-MOUNTED, DUAL TECHNOLOGY OCCUPANCY SENSOR-WATT STOPPER (OR EQUAL) #WT SERIES WITH WATT STOPPER #BZ-150 POWER PACK.

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PHONE: (817)929-2373
TBPELS FIRM# F-7930

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PROPOSED NEW ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS 75150

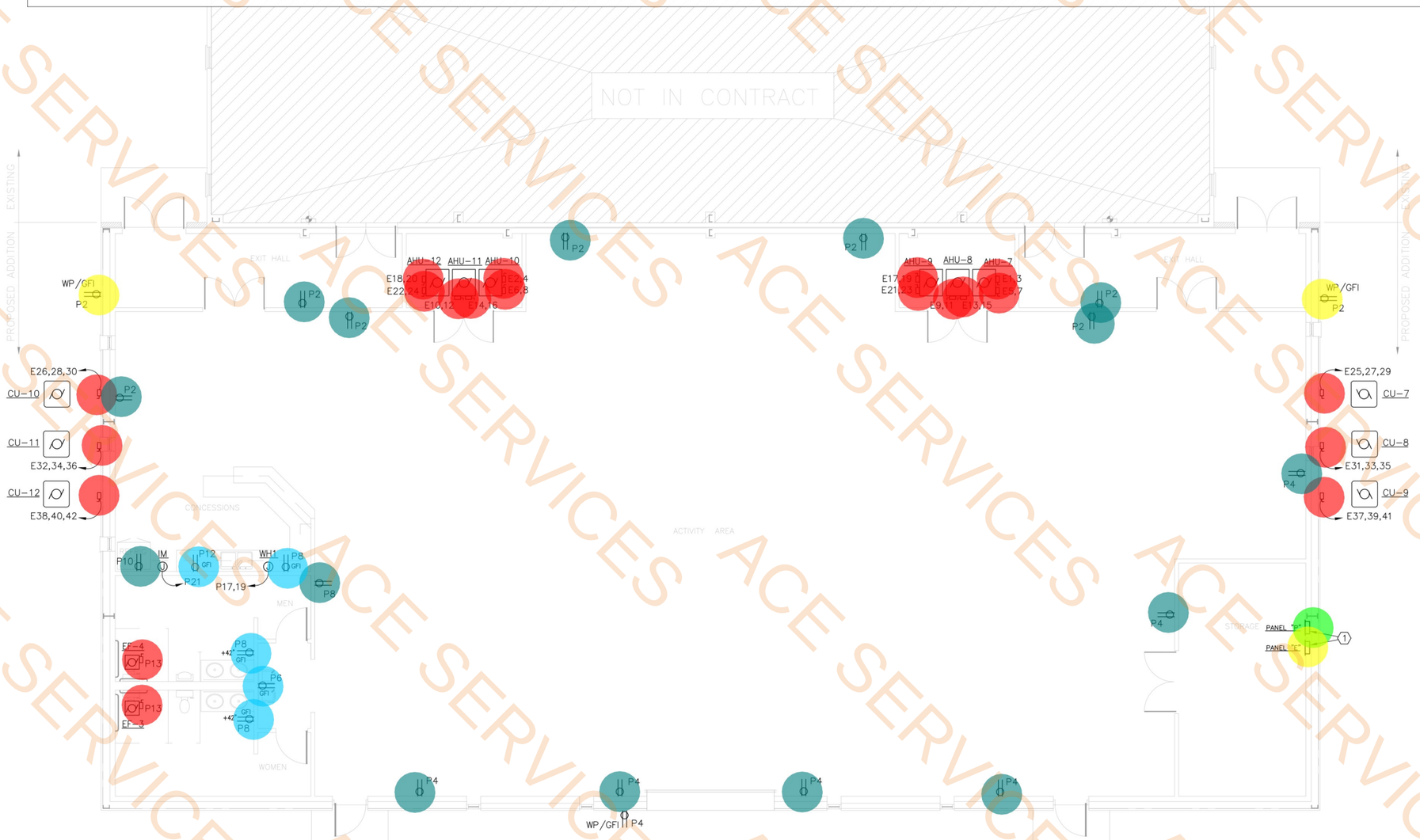
SHEET TITLE: FLOOR PLAN LIGHTING

STATE OF TEXAS — ARTHUR F. ELGIN — 84638 — LICENSED PROFESSIONAL ENGINEER
6/6/24

DATE:	12/4/23
REV #1:	6/6/24
REV #2:	
REV #3:	
SHEET:	E-2.1

ACE SERVICES

- Standard Receptacle — 15.0 EA
- Ground Fault Interrupter Receptacle — 5.0 EA
- Weather Profe Ground Fault Interrupter Receptacle — 2.0 EA
- Wall Mounted Disconnect Switch — 20.0 EA
- Panel P, 120/208 V, 3 Phase, 4 Wires, MCB Type, 100 A Main, 100A BKR, 14K A.I.C Surface Mounted Panel — 1.0 EA
- Panel E, 120/208 V, 3 Phase, 4 Wires, MCB Type, 400 A Main, 300A BKR, 14K A.I.C Recessed Panel — 1.0 EA



FLOOR PLAN - POWER

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

GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.
2. MINIMUM CONDUCTOR SIZE: ALL CIRCUIT HOMERUNS AND ALL CONDUIT AND WIRE CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS.
3. MINIMUM CONDUIT SIZE SHALL BE 1/2" DIAMETER.
4. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
5. COORDINATE THE EXACT LOCATION OF ALL THERMOSTATS, STARTERS, DISCONNECTS, ETC. AND COORDINATE ALL REQUIREMENTS FOR CONTROL AND POWER WIRING WITH THE MECHANICAL CONTRACTOR OR THE TRADE PROVIDING THE EQUIPMENT.
6. WHERE RECEPTACLES ARE SHOWN BACK-TO-BACK ON A COMMON WALL, OFFSET THE TWO BOXES AT LEAST SIX INCHES.
7. COORDINATE ALL REQUIREMENTS FOR THE POWER WITH THE LOCAL POWER COMPANY AND ALL REQUIREMENTS FOR THE TELEPHONE SERVICE WITH THE LOCAL TELEPHONE COMPANY.
8. THE CONTRACTOR SHALL OBTAIN AND PAY ALL COSTS FOR REQUIRED PERMITS FOR ELECTRICAL AND TELEPHONE SERVICE.
9. ALL SWITCHES AND RECEPTACLES SHALL BE COMMERCIAL GRADE AND SHALL BE WHITE WITH WHITE PLASTIC COVER PLATES UNLESS INDICATED OTHERWISE.
10. PROVIDE THE TYPE OF MOUNTING HARDWARE AND TRIM NECESSARY FOR THE PROPER INSTALLATION OF SPECIFIED LIGHTING FIXTURES IN THE TYPE OF CEILING WHERE INSTALLED.
11. ALL EXTERIOR LIGHTING FOR THIS PROJECT SHALL BE CONTROLLED ON/OFF BY PHOTOCELL.
12. CONNECT EMERGENCY LIGHT UNITS AND EXIT LIGHTS TO CIRCUIT P5.
13. IN ROOMS/AREAS WITH AN OCCUPANCY SENSOR INDICATED, RUN THE LIGHTING CIRCUIT THROUGH THE ASSOCIATED POWER PACK AHEAD OF THE SWITCH(ES). PARALLEL SENSORS IN ROOMS WITH MULTIPLE SENSORS.
14. WIRING CONSISTS OF SWITCH LEG AND NEUTRAL UNLESS INDICATED OTHERWISE.

NOTES BY SYMBOL "⬡":

1. PANELS FED FROM EXISTING ELECTRICAL SERVICE ENTRANCE EQUIPMENT. SEE ELECTRICAL RISER DIAGRAM ON SHEET E-3.1 FOR ADDITIONAL INFORMATION.

LEGEND

SYMBOL	DESCRIPTION
	STANDARD RECEPTACLE, INSTALLED AT 15" AFF TO BOTTOM OF OUTLET, U.N.O.
	STANDARD RECEPTACLE, MOUNTED 42" AFF TO BOTTOM OF OUTLET
(J)	WALL- OR EQUIPMENT MOUNTED JUNCTION BOX
	WALL- OR EQUIPMENT-MOUNTED DISCONNECT SWITCH
$	WALL SWITCH (SPST)
$3	3-WAY WALL SWITCH (DPDT)
o$	WALL-MOUNTED MOTION SENSING LIGHT SWITCH WITH MANUAL OVERRIDE, SET TO 30 MINUTES

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PROPOSED NEW ACTIVITY BUILDING ADDITION FOR
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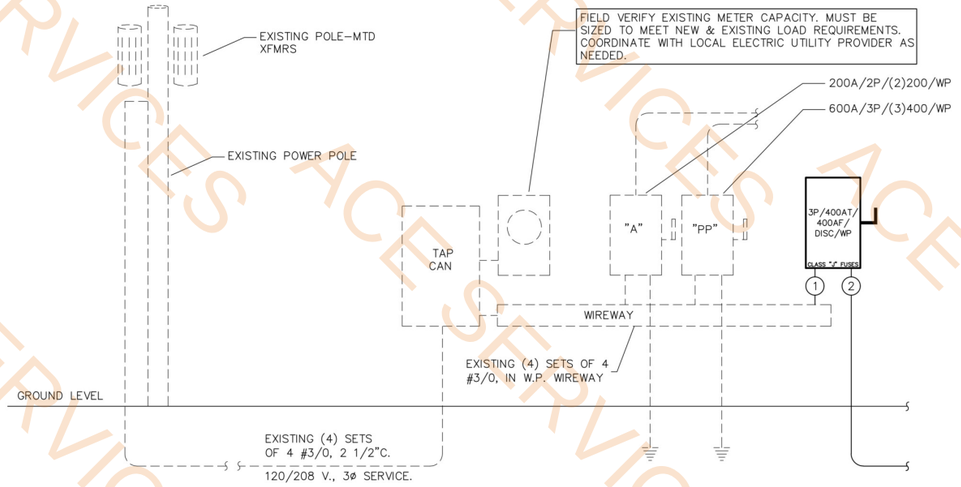
SHEET TITLE: FLOOR PLAN POWER

ARTHUR F. ELGIN
84638
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
12/4/23

DATE: 12/4/23
REV #1:
REV #2:
REV #3:
SHEET:

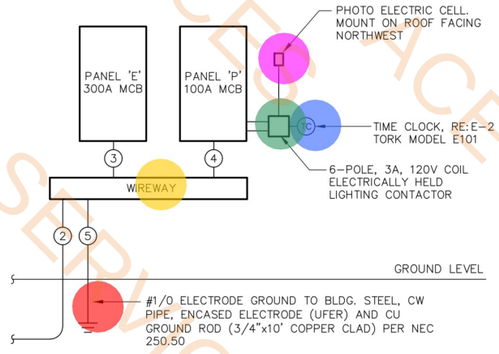
E-2.2

ACE SERVICES



EXISTING BUILDING ELECTRICAL RISER DIAGRAM

N.T.S.



NEW ADDITION ELECTRICAL RISER DIAGRAM

N.T.S.

FAULT CURRENT CALCULATION*

AVAILABLE FAULT FROM EXISTING SERVICE ENTRANCE

I_{sc1} = 26,192 A*

$f = \frac{1.732 \times 105 \times 26,192}{10,741 \times 2 \times 208} = 1.066$

$M = \frac{1}{1 + 1.066} = 0.484$

I_{sc2} = 26,192 X 0.484 = 12,677 A

AVAILABLE 3ø FAULT = 13.0 KAIC*

*FAULT CURRENT CALCULATION ABOVE WAS BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. THE CONTRACTOR SHALL FIELD VERIFY ACTUAL TRANSFORMER DISTANCE AND ACTUAL TRANSFORMER IMPEDANCE, RE-CALCULATE FAULT CURRENT VALUE AND PROVIDE ELECTRICAL SERVICE EQUIPMENT THAT MEETS OR EXCEEDS THE ACTUAL AIC VALUE CALCULATED.

ELECTRICAL LOAD SUMMARY

CATEGORY (EXISTING LOADS)	120/208V 3ø CONNECTED VA	CONNECTED AMPS	DEMAND FACTOR	DEMAND VA	DEMAND AMPS
LIGHTING:	---	---	1.25	---	---
RECEPTACLE 1ST 10K:	---	---	1.00	---	---
RECEPTACLE REMAINDER @ 50%:	---	---	0.5	---	---
EQUIPMENT (INCLUDING LARGEST MOTOR)	---	---	NEC 220.60	---	---
SUB-TOTAL (EXISTING LOADS):	229,380	636.64		166,520	462.17
CATEGORY (NEW LOADS)	CONNECTED VA	CONNECTED AMPS	DEMAND FACTOR	DEMAND VA	DEMAND AMPS
LIGHTING:	4,000	11.10	1.25	5,000	13.88
RECEPTACLE 1ST 10K:	8,100	22.50	1.00	8,100	22.50
RECEPTACLE REMAINDER @ 50%:	---	---	0.5	---	---
EQUIPMENT (INCLUDING LARGEST MOTOR)	114,620	318.39	NEC 220.60	87,340	242.41
SUB-TOTAL (NEW LOADS):	126,720	351.99		100,440	278.77
GRAND-TOTAL (ALL LOADS):	356,100	988.34		266,960	740.94

GENERAL NOTES:

A. IT IS THE INTENT OF THIS DESIGN TO TAP THE EXISTING BUILDING, EXTERIOR WIREWAY AND EXTEND THE SCHEDULED CONDUCTORS (BELOW GRADE) TO FEED THE NEW BUILDING ADDITION. THE PROJECT'S ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING ANY WORK. THE PROJECT ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY FIELD CONDITION FOUND THAT WILL NOT MEET THE INTENDED DESIGN.

B. THE ORIGINAL BUILDING'S ELECTRICAL DESIGN SPECIFIED 800A OF ELECTRICAL FEEDERS TO THE BUILDING FROM THE TRANSFORMERS. CONTRACTOR SHALL FIELD VERIFY THIS CONDITION PRIOR TO STARTING WORK.

FEEDER SCHEDULE

(1)	ONE (1) 4" EMT CONDUIT WITH 4 500KCMIL CU
(2)	TWO (2) 2" PVC CONDUITS EACH WITH 4 #3/0 & ONE (1) #2 GND CU
(3)	ONE (1) 3" EMT CONDUIT WITH 4 #350kCMIL & ONE (1) #1/0 GND CU
(4)	ONE (1) 1 1/2" EMT CONDUIT WITH 4 #3 & ONE (1) #8 GND CU
(5)	#1/0 BARE CU GROUNDING CONDUCTORS
(X)	EXISTING INCOMING ELECTRICAL FEEDERS TO REMAIN. FIELD VERIFY.

LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	FIX. QTY	LAMPS TYPE	VOLT	COLOR	LUMENS	WATTS PER FIXTURE	PROPOSED MOUNTING HEIGHT (FT)	MANUFACTURER & MODEL	NOTES
A	2x4 LED TROFFER		LED	MULTI	4000K	6,253	49	10'-0" AFF (FIELD VERIFY)	LITHONIA: 2GTL4 60L LP840 OR APPROVED EQUAL	1,2
B	2x2 LED TROFFER		LED	MULTI	4000K	3,535	29	10'-0" AFF (FIELD VERIFY)	LITHONIA: 2GTL2 33L LP840 OR APPROVED EQUAL	1,2
C	HIGH BAY PENDANT LIGHT		LED	MULTI	4000K	4,975	125	16'-0" AFF (FIELD VERIFY)	LITHONIA: JCBL 18000LM DALR 40K 90CRI OR APPROVED EQUAL	1,2
D	EXTERIOR WALL-MOUNTED FACADE		LED	MULTI	4000K	7,118	87	12'-0" AFG (FIELD VERIFY)	LITHONIA: OLWX2 LED 90W 40K DDB M2	
EE	WALL-MOUNTED EXTERIOR SECURITY/EGRESS		LED	MULTI	4000K	1,454	11	7'-0" AFG	LITHONIA: ARC1 LED P1 40K OR APPROVED EQUAL	
F	LED LAMP HOLDER	2	LED	MULTI	4000K	2,500	23	8'-0" AFF	GENERIC WHITE LAMP HOLDER WITH A19 SCREW IN LED LAMP	1
	WALL OR CEILING MOUNTED COMBINATION EGRESS LIGHT	8	LED	120	–	–	5	CEILING/WALL SURFACE	LITHONIA LHQM LED R, WHITE WITH RED LETTERS, STANDARD BATTERY PACK.	5
	SURFACE-MOUNTED EMERGENCY BATTERY LIGHT UNIT	2	LED	120	–	564	4.2	8'-0" AFF	LITHONIA ELM6L PROVIDES 90 MIN OF ILLUMINATION. MOUNT FIXTURE AT 8'-0" AFF.	3,5

SCHEDULE NOTES:

1. CONSTANT 0 – 10VDC DIMMING DOWN TO 1%
2. FINAL FIXTURE COLOR AND/OR TEXTURE TO BE SELECTED BY ARCHITECT/OWNER
3. PROVIDE FIXTURE SUITABLE FOR WET LOCATIONS.
4. PROVIDE ADJUSTABLE EXTENSION CABLE/STEM AS REQUIRED TO ACHIEVE LISTED HEIGHT TO BOTTOM OF FIXTURE
5. PROVIDE BATTERY BACKUP PACK CAPABLE OF 90 MINUTES OF EMERGENCY EGRESS/POINT-OF-REFUGE ILLUMINATION
6. THIS FIXTURE SHALL SHALL BE CONTROLLED ON/OFF EITHER BY INTEGRATED PHOTOCELL OR THRU REMOTE
7. PHOTOCELL/LIGHTING CONTACTOR/ INTERLOCK

PANEL: P — VOLTS: 120/208 — PHASE: 3 — WIRES: 4 — TYPE: MCB
MAIN: 100A BUSS(CU) — BKR: 100A — PANEL A.I.C.: 14 K — MOUNTING: SURFACE

	LOAD	POLE	TRIP	VA	WIRE	A B C	WIRE	VA	TRIP	POLE	LOAD	
1	LIGHTS	1	20	1600	12		12	1620	20	1	PLUGS	2
3	LIGHTS	1	20	1600	12		12	1260	20	1	PLUGS	4
5	EMERG EGRESS LTS	1	20	200	12		12	1500	20	1	WATER COOLER	6
7	EXT. SECURITY LIGHTS	1	20	600	12		12	720	20	1	PLUGS	8
9	SPARE	1	20				12	1500	20	1	REFRIGERATOR	10
11	SPARE	1	20				12	1500	20	1	MICROWAVE	12
13	EF-1 & EF-2	2	20	200	12				20	1	SPARE	14
15	SPARE	1	20						20	1	SPARE	16
17	WATER HTR WH1	2	40	6000	8				20	1	SPARE	18
19	---				8				20	1	SPARE	20
21	ICE MACHINE (40 LB)	1	20	1200	12							22
23	SPARE	1	20									24
25	SPARE	1	20									26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42

LIGHTING AND WATER HEATER LOADS ARE CALCULATED @ 125%

SUMMARY	CONNECTED LOAD VA	DEMAND* LOAD VA
EQUIPMENT*	7,400	8,900
LIGHTS	4,000	5,000
RECEPTACLES**	8,100	8,100
TOTAL	19,500	22,000 = 61 A

* – PER NEC 220.60 ** – PER NEC 220.44

+ – PROVIDE A SINGLE POLE, CLAMP-ON TYPE, CIRCUIT BREAKER LOCKOUT DEVICE AND KEYED PAD LOCK FOR THIS EMERGENCY CIRCUIT. DEVICE SHALL BE RED IN COLOR. PROVIDE BRADY MODEL #65396 OR EQUAL DEVICE.

PANEL: E — VOLTS: 120/208 — PHASE: 3 — WIRES: 4 — TYPE: MCB
MAIN: 400A BUSS(CU) — BKR: 300A — PANEL A.I.C.: 14 K — MOUNTING: RECESSED

	LOAD	POLE	TRIP	KVA	WIRE	A B C	WIRE	KVA	TRIP	POLE	LOAD	
1	AHU-7 CKT #1	2	60	8.82	6		6	8.82	60	2	AHU-10 CKT #1	2
3	---				6		6				---	4
5	AHU-7 CKT #2	2	25	3.66	10		10	3.66	25	2	AHU-10 CKT #2	6
7	---				10		10				---	8
9	AHU-8 CKT #1	2	60	8.82	6		6	8.82	60	2	AHU-11 CKT #1	10
11	---				6		6				---	12
13	AHU-8 CKT #2	2	25	3.66	10		10	3.66	25	2	AHU-11 CKT #2	14
15	---				10		10				---	16
17	AHU-9 CKT #1	2	50	8.82	6		6	8.82	60	2	AHU-12 CKT #1	18
19	---				6		6				---	20
21	AHU-9 CKT #2	2	25	3.66	10		10	3.66	25	2	AHU-12 CKT #2	22
23	---				10		10				---	24
25	CU-7	3	30	5.20	10		10	5.20	30	3	CU-10	26
27	---				10		10				---	28
29	---				10		10				---	30
31	CU-8	3	30	5.20	10		10	5.20	30	3	CU-11	32
33	---				10		10				---	34
35	---				10		10				---	36
37	CU-9	3	20	4.03	12		12	4.03	20	3	CU-12	38
39	---				12		12				---	40
41	---				12		12				---	42

LIGHTING AND WATER HEATER LOADS ARE CALCULATED @ 125%

SUMMARY	CONNECTED LOAD KVA	DEMAND* LOAD KVA
EQUIPMENT	107.22	78.44
LIGHTS	---	---
RECEPTACLES**	---	---
TOTAL	107.22	78.44 = 218 A

* – PER NEC 220.60 ** – PER NEC 220.44

- 2x4 LED Troffer — 6.0 EA
- 2x2 LED Troffer — 4.0 EA
- High Bay Pendant Light — 15.0 EA
- Exterior Wall-Mounted Facade — 6.0 EA
- Exterior Wall-Mounted Exterior Security/Egress w/ 90 Min Battery Pack — 2.0 EA
- LED Lamp Holder — 2.0 EA
- Wall or Ceiling Mounted Combination Egress Light — 8.0 EA
- Surface-Mounted Emergency Battery Light Unit — 2.0 EA
- Integratted Photocell/Remote Photocell — 8.0 EA
- 2 Pole, 60 AMP Breaker — 5.0 EA
- 1 Pole, 20 AMP Breaker — 21.0 EA
- 2 Pole, 40 AMP Breaker — 1.0 EA
- 2 Pole, 25 AMP Breaker — 6.0 EA
- 2 Pole, 50 AMP Breaker — 1.0 EA
- 3 Pole, 30 AMP Breaker — 4.0 EA
- 3 Pole, 20 AMP Breaker — 2.0 EA
- Photo Electric Cell — 1.0 EA
- Time Clock — 1.0 EA
- 6-Pole, 3A, 120V Coil — 1.0 EA
- Wire Way — 1.0 EA
- #1/0 Bare CU Grounding Conductors — 1.0 EA

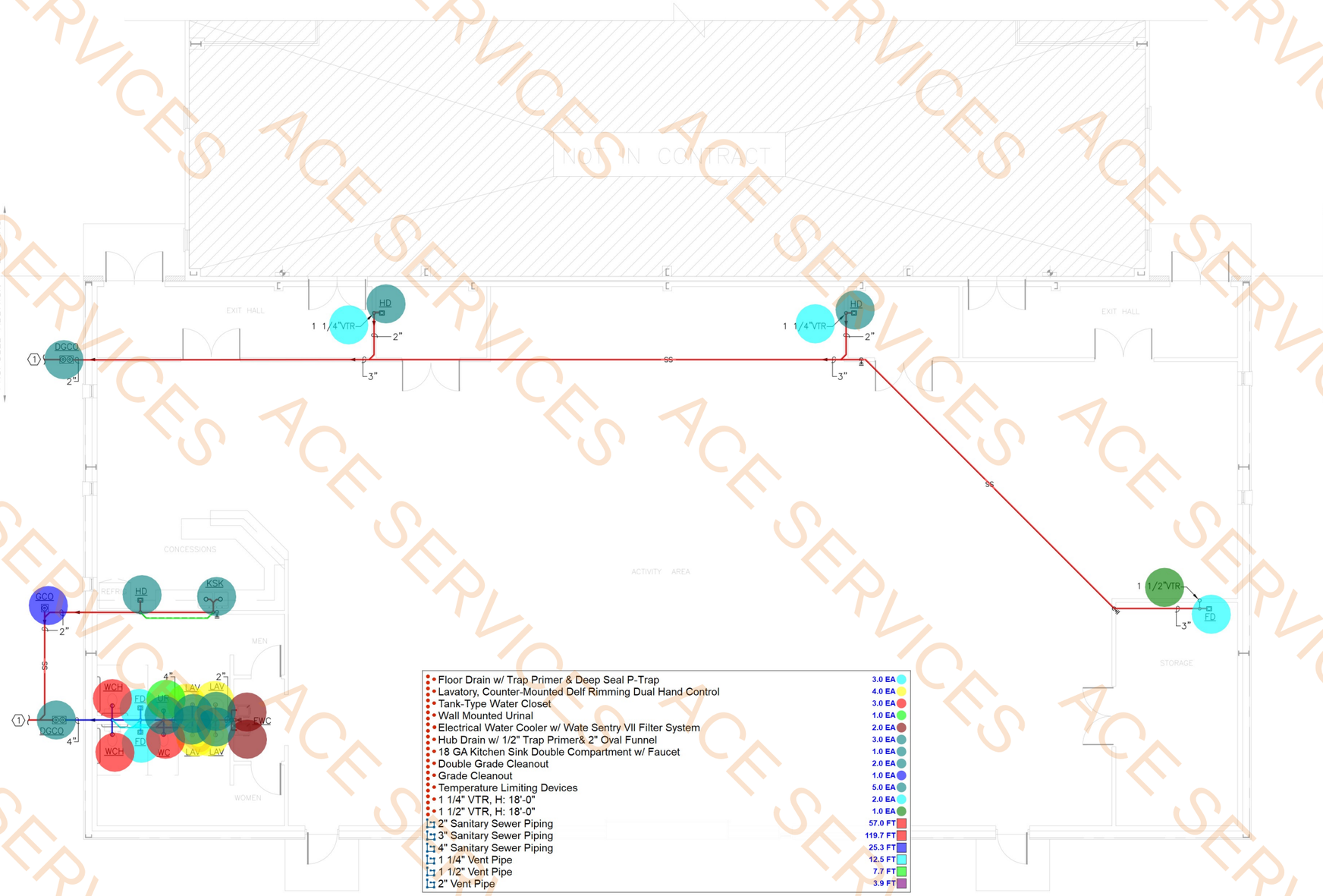
A F ELGIN & ASSOCIATES
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816 APRIL SOUND CT. SUITE 200 – FT. WORTH, TX 76120
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TBPELS FIRM# F-7930
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PROPOSED NEW ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS 75150

SHEET TITLE:
RISER DIAGRAM
SCHEDULES
ELECTRICAL

STATE OF TEXAS — ARTHUR F. ELGIN — 84638 — LICENSED PROFESSIONAL ENGINEER — 12/4/23

DATE: 12/4/23
REV #1:
REV #2:
REV #3:
SHEET:
E-3.1



Floor Drain w/ Trap Primer & Deep Seal P-Trap	3.0 EA
Lavatory, Counter-Mounted Delf Rimming Dual Hand Control	4.0 EA
Tank-Type Water Closet	3.0 EA
Wall Mounted Urinal	1.0 EA
Electrical Water Cooler w/ Wate Sentry VII Filter System	2.0 EA
Hub Drain w/ 1/2" Trap Primer& 2" Oval Funnel	3.0 EA
18 GA Kitchen Sink Double Compartment w/ Faucet	1.0 EA
Double Grade Cleanout	2.0 EA
Grade Cleanout	1.0 EA
Temperature Limiting Devices	5.0 EA
1 1/4" VTR, H: 18'-0"	2.0 EA
1 1/2" VTR, H: 18'-0"	1.0 EA
2" Sanitary Sewer Piping	57.0 FT
3" Sanitary Sewer Piping	119.7 FT
4" Sanitary Sewer Piping	25.3 FT
1 1/4" Vent Pipe	12.5 FT
1 1/2" Vent Pipe	7.7 FT
2" Vent Pipe	3.9 FT

N W E S

FLOOR PLAN - SANITARY SEWER/VENT

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

GENERAL NOTES

1. INSTALL ALL PLUMBING IN ACCORDANCE WITH CITY ORDINANCE AND PAY FOR FEES REQUIRED.
2. DOMESTIC WATER PIPING:
   ABOVE SLAB/GRADE: TYPE L HARD DRAWN COPPER OR PEX PIPING. INSULATE ALL PIPING SUBJECT TO FREEZING AND SUBJECT TO FORMING CONDENSATION TO A MINIMUM VALUE R-3.
3. SANITARY SEWER AND VENT PIPING:
   ABOVE/BELOW GRADE: PVC SCHEDULE 40, U.N.O.
4. PROVIDE TRAP PRIMERS OR INLINE TRAP GUARDS ON FLOOR DRAINS AND HUB DRAINS. SEE PLUMBING FIXTURE SCHEDULE.
5. PROVIDE ADA PIPING COVERS ON WATER SUPPLY AND DRAIN PIPING UNDER EXPOSED LAVATORIES.
6. ALL VENTS THRU ROOF TO BE A MINIMUM OF 24" FROM THE EDGE OF THE BUILDING. RE-ROUTE/OFFSET VERTICAL VENT RISERS AS NEEDED.
7. CONTRACTOR SHALL COORDINATE ALL PLUMBING VENTS THRU ROOF TO ENSURE THAT PLUMBING VENTS TERMINATE AT LEAST OF 10'-0" FROM ALL A/C UNIT OUTSIDE AIR INTAKES.
8. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING WORK. ANY CONDITION DISCOVERED THAT CONFLICTS WITH THE INTENT OF THIS DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS THAT CONDITION IS DISCOVERED.
9. CONTRACTOR SHALL ENSURE THAT THE MAXIMUM HOT WATER TEMPERATURE DELIVERED TO THE LAVATORIES AND HAND SINKS IS 110°F BY PROVIDING ASSE 1070 LISTED TEMPERATURE LIMITING DEVICES AT EACH PLUMBING FIXTURE.

NOTES BY SYMBOL "⬡":

1. EXTEND NEW SANITARY SEWER LINE AND CONNECT TO EXISTING 8" SANITARY LINE THAT IS APPROXIMATELY 25 FEET FROM THE WEST OF THE THE BUILDING. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, EXISTING DEPTH, FLOW LINE ELEVATION AND DIRECTION OF FLOW PRIOR TO STARING ANY WORK.

LEGEND

SEE SHEET P-3.1 FOR PLUMBING LEGEND

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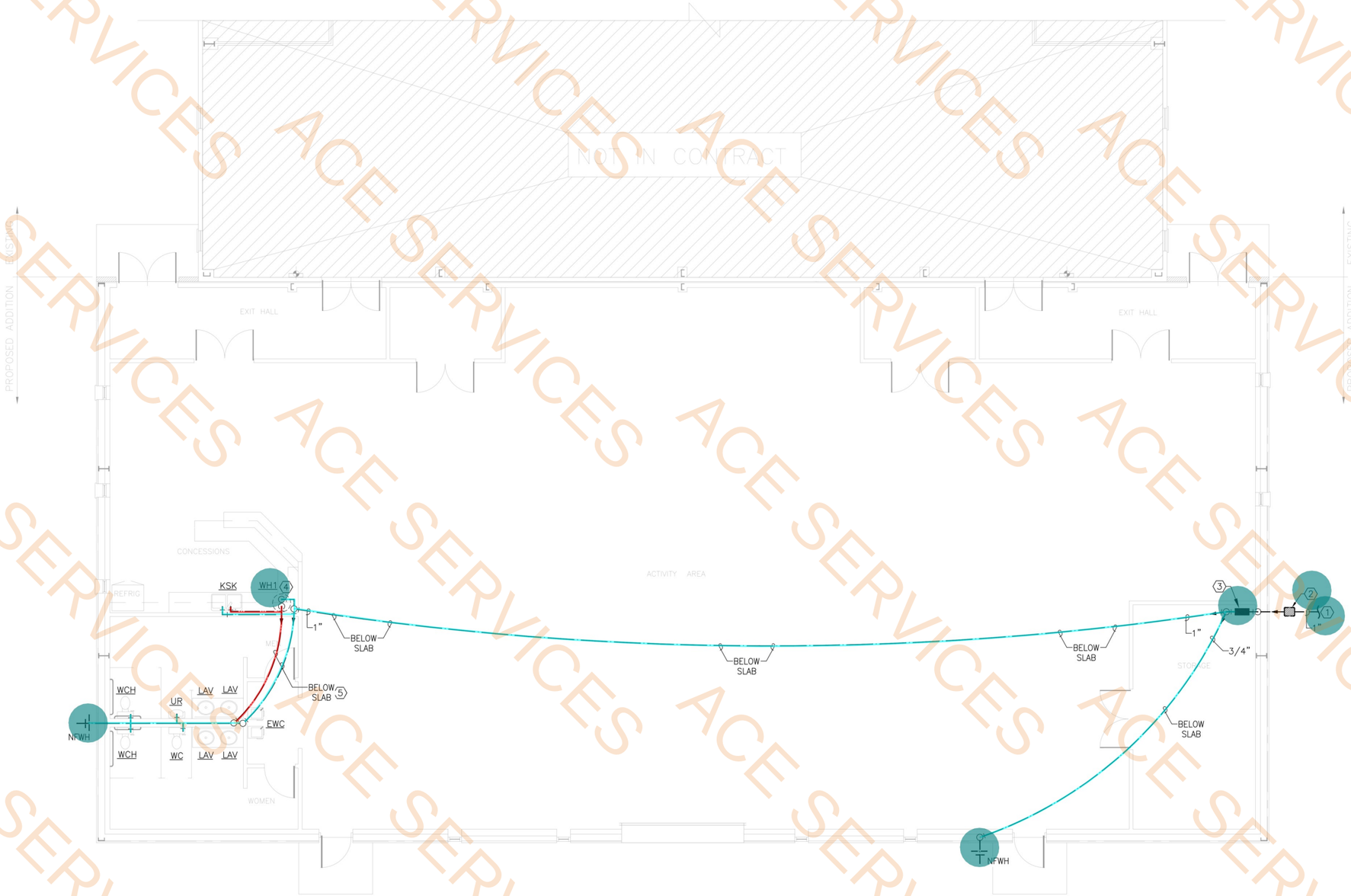
PROPOSED NEW ACTIVITY BUILDING ADDITION
FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS 75150

SHEET TITLE:
FLOOR PLAN
SANITARY SEWER
VENT
PLUMBING

STATE OF TEXAS
ARTHUR F. ELGIN
84638
LICENSED PROFESSIONAL ENGINEER
12/4/23

DATE: 12/4/23
REV #1:
REV #2:
REV #3:
SHEET:

P-2.1



1/2" Cold Water Pipe	17.5 FT
3/4" Hot Water Pipe	17.9 FT
1" Cold Water Pipe	114.7 FT
3/4" Cold Water Pipe	34.4 FT
Water Heater - 1	1.0 EA
RPZ Backflow Preventer	1.0 EA
1" Dia Shut-Off Valve (Gate Type) w/ Valve Box in Concrete & Iron Lid	1.0 EA
Type K, 1" Copper Water Line	1.0 EA
Hose Hydrant, Freeze-Proof w/ Control Key & Integral Vacuum Breaker & Union Below	2.0 EA

FLOOR PLAN - DOMESTIC WATER

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

GENERAL NOTES

1. INSTALL ALL PLUMBING IN ACCORDANCE WITH CITY ORDINANCE AND PAY FOR FEES REQUIRED.
2. DOMESTIC WATER PIPING:
   ABOVE SLAB/GRADE: TYPE L HARD DRAWN COPPER OR PEX PIPING. INSULATE ALL PIPING SUBJECT TO FREEZING AND SUBJECT TO FORMING CONDENSATION TO A MINIMUM VALUE R-3.
3. SANITARY SEWER AND VENT PIPING:
   ABOVE/BELOW GRADE: PVC SCHEDULE 40, U.N.O.
4. PROVIDE TRAP PRIMERS OR INLINE TRAP GUARDS ON FLOOR DRAINS AND HUB DRAINS. SEE PLUMBING FIXTURE SCHEDULE.
5. PROVIDE ADA PIPING COVERS ON WATER SUPPLY AND DRAIN PIPING UNDER EXPOSED LAVATORIES.
6. ALL VENTS THRU ROOF TO BE A MINIMUM OF 24" FROM THE EDGE OF THE BUILDING. RE-ROUTE/OFFSET VERTICAL VENT RISERS AS NEEDED.
7. CONTRACTOR SHALL COORDINATE ALL PLUMBING VENTS THRU ROOF TO ENSURE THAT PLUMBING VENTS TERMINATE AT LEAST OF 10'-0" FROM ALL A/C UNIT OUTSIDE AIR INTAKES.
8. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING WORK. ANY CONDITION DISCOVERED THAT CONFLICTS WITH THE INTENT OF THIS DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS THAT CONDITION IS DISCOVERED.
9. CONTRACTOR SHALL ENSURE THAT THE MAXIMUM HOT WATER TEMPERATURE DELIVERED TO THE LAVATORIES AND HAND SINKS IS 110°F BY PROVIDING ASSE 1070 LISTED TEMPERATURE LIMITING DEVICES AT EACH PLUMBING FIXTURE.

NOTES BY SYMBOL "⬡":

1. EXTEND NEW 1", TYPE K COPPER WATER LINE APPROXIMATELY 41 FEET TO EXISTING 8" WATER LINE BELOW GRADE. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, DEPTH, WATER PRESSURE AND PIPING TYPE PRIOR TO STARTING WORK. SEE SITE PLAN FOR ADDITIONAL INFORMATION.
2. 1" SHUT-OFF VALVE (GATE-TYPE), BELOW GRADE, IN CONCRETE VALVE BOX WITH CAST IRON LID.
3. RPZ-TYPE BACKFLOW PREVENTER MOUNTED ON WALL AT 48" AFF. SEE DETAIL ON SHEET P-4 FOR ADDITIONAL REQUIREMENTS ON INSTALLATION.
4. ELECTRIC WATER HEATER WH1, INSTALLED UNDERNEATH COUNTER. SEE DETAIL FOR ADDITIONAL INFORMATION AND SCHEDULE FOR CAPACITY.
5. 3/4" HOT & 1" COLD WATER, BELOW SLAB, TO SERVE EWC, LAVATORIES, URINAL, WATER CLOSETS AND WALL HYDRANT.

LEGEND

SEE SHEET P-3 FOR PLUMBING LEGEND

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PROPOSED NEW ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS 75150

SHEET TITLE:
FLOOR PLAN
DOMESTIC WATER
PLUMBING

ARTHUR F. ELGIN
84638
LICENSED PROFESSIONAL ENGINEER
12/4/23

DATE:	12/4/23
REV #1:	
REV #2:	
REV #3:	
SHEET:	P-2.2

ACE SERVICES

WATER HEATER SCHEDULE

DESIGNATION	WH1
LOCATION	CONCESSIONS
STORAGE GALLONS	30
ENT. WATER TEMP (°F)	60
LVG. WATER TEMP (°F)	130
WATER INLET/OUTLET SIZE (IN.)	3/4
TOTAL HEATING CAPACITY (KW)	6.0
HEATING ELEMENT SIZE (KW), EACH	6.0
NO. OF ELEMENTS	2
HEATER AMPS @ RATED VOLTAGE	28.9
VOLTS/PHASE	208/1ø
RECOVERY @ 80°F RISE, GPH	35
MANUFACTURER	A O SMITH
MODEL NO.	DEL-30
REMARKS	1,2

REMARKS

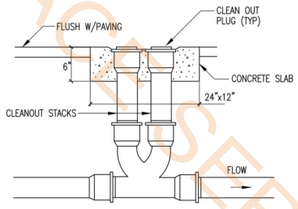
1. PROVIDE AN AMTROL MODEL "ST-5" EXPANSION TANK TO BE INSTALLED WITH WATER HEATER. ALSO PROVIDE PRV PIPED TO ADJACENT FLOOR DRAIN OR THRU EXTERIOR WALL.
2. NON-SIMULTANEOUS HEATING ELEMENT OPERATION.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	COLD WATER PIPING
	HOT WATER PIPING
SS	SANITARY SEWER (WASTE) PIPING
	SANITARY VENT PIPING
	DOMESTIC HOT AND COLD WATER DIRECTION OF FLOW
	SLOPE SANITARY SEWER PIPE AT 1/8" PER FOOT IN DIRECTION SHOWN, UNLESS NOTED OTHERWISE
FCO	FLOOR CLEAN OUT
DGCO	DOUBLE GRADE CLEAN OUT
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
	FLOOR DRAIN
	GATE VALVE
	CUT OFF VALVE

PLUMBING FIXTURE SCHEDULE

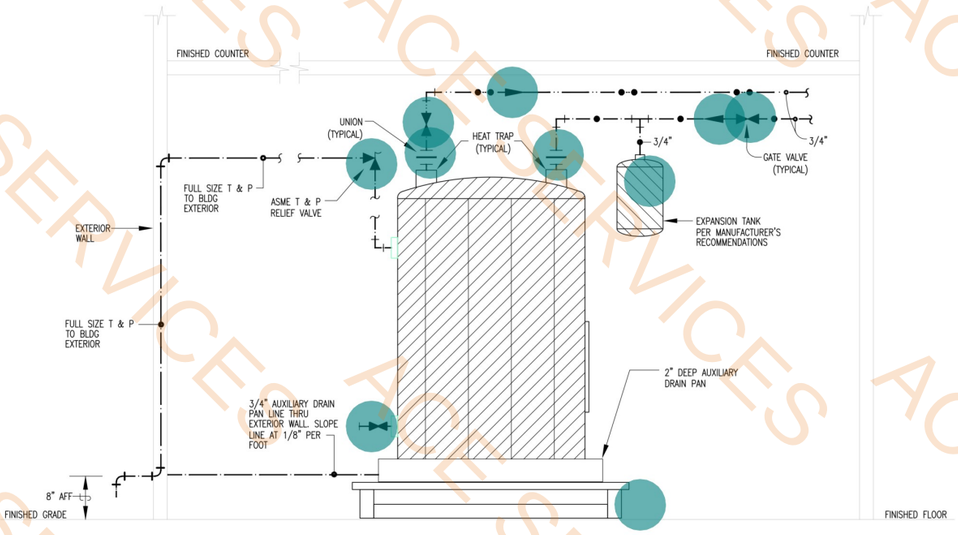
TAG	ROUGH-IN SIZES CW	HW	W	V	DESCRIPTION
WCH	1/2"	–	4"	3"	TANK-TYPE WATER CLOSET, FLOOR-MOUNTED, WHITE VITREOUS CHINA, BOTTOM OUTLET, 1.6 GPF, WHITE OPEN-FRONT SEAT. KOHLER MODEL K-3493-RA, 17-1/8" HIGH WITH K-4650 SEAT AND MANUAL LEVER PROVIDED WITH FIXTURE OR EQUAL.
WC	1/2"	–	4"	3"	TANK-TYPE WATER CLOSET, FLOOR-MOUNTED, WHITE VITREOUS CHINA, BOTTOM OUTLET, 1.28 GPF, WHITE OPEN-FRONT SEAT. KOHLER MODEL K-3575-RA, 14-1/2" HIGH WITH K-4731 SEAT AND MANUAL LEVER PROVIDED WITH FIXTURE OR EQUAL.
LAV	1/2"	1/2"	2"	1 1/4"	LAVATORY, COUNTER-MOUNTED, WHITE OVAL TYPE, SELF-RIMMING, P-TRAP AND WALL ESCUTCHEON, ENAMELED CAST IRON, DUAL HANDLE CONTROL, 8" O.C., TAS COMPLIANT INSTALLATION. KOHLER MODEL K-2053, 8" CC WITH DELTA MODEL 3549 WFL.CHDF (ADA) OR EQUAL.
UR	3/4"	–	2"	2"	URINAL, WALL-MOUNTED, WHITE VITREOUS CHINA, 1.0 GPF, WASHDOWN FLUSHING ACTION, WITH OUTLET SPUDS AND HANGERS. TAS COMPLIANT INSTALLATION. KOHLER K-5016-ET, SIPHON JET SUPERIOR WITH SLOAN 180-1(ELECTRIC WITH BATTERIES) FLUSH VALVE OR EQUAL.
EWC	3/8"	–	1 1/2"	1 1/4"	TWO STATION WALL-MOUNTED WATER COOLER WITH WATER FILTRATION SYSTEM BARRIER-FREE WITH 120V/1ø ELECTRICAL. FINAL COLOR SELECTED BY OWNER. ELKAY MODEL LMABFTL8C WATER SENTRY VII FILTER SYSTEM OR APPROVED EQUAL.
KSK	1/2"	1/2"	2	1 1/2"	KITCHEN SINK, DOUBLE COMPARTMENT, 18 GA. STAINLESS STEEL, SINGLE CONTROL FAUCET WITH HAND SPRAY AND 1/2 HP ELECTRIC DISPOSAL, 10" DEEP. ELKAY L2D3322-4 WITH ELKAY 4103 FAUCET WITH SPRAY SET AND LK 99 DRAIN OUTLET/TAILPIECE AND 3" I.P.S. TRAP OUTLET OR APPROVED EQUAL.
NFWH	3/4"	–	–	–	HOSE HYDRANT, FREEZE-PROOF, WITH CONTROL KEY AND INTEGRAL VACUUM BREAKER & UNION ELBOW. JOSAM 71050 OR APPROVED EQUAL.
IM	3/8"	–	–	–	SUPPLY/STOP FOR ICE MACHINE WITH QUARTER-TURN BALL VALVE FOR WATER SUPPLY
FD	1/2"	–	3"	1 1/2"	FLOOR DRAIN WITH DEEP SEAL P-TRAP AND ½" PRIMER TAP. JOSAM 30003-5A-50 FLOOR DRAIN AND STRAINER OR EQUAL.
HD	1/2"	–	3"	1 1/2"	FLOOR DRAIN WITH DEEP SEAL P-TRAP AND ½" PRIMER TAP AND 2" OVAL FUNNEL. JOSAM 30003-5A-50 FLOOR DRAIN AND STRAINER OR EQUAL.
TP-1	1/2"	–	–	–	TRAP SEAL PRIMER VALVE. JOSAM 88250 OR EQUAL.



DUAL GRADE CLEANOUT DETAIL

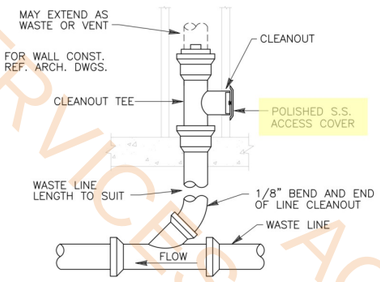
SCALE: NONE

- ST-5 Expansion Tank 1.0 EA
- 2" Deep Auxuliary Drain Pan 1.0 EA
- Heat Trap 2.0 EA
- ASME T & P Relief Valve 1.0 EA
- Gate Valve 3.0 EA
- Cut Off Valve 2.0 EA
- Shut Off Valve 1.0 EA
- Reduced Pressure Backflow Preventer Assembly 1.0 EA



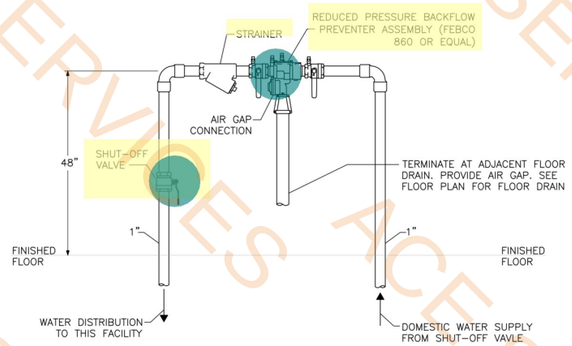
ELECTRIC WATER HEATER DETAIL

SCALE: NONE



WALL CLEANOUT-FINISHED ROOMS

N.T.S.



RPZ BACKFLOW PREVENTER DETAIL

SCALE: NONE

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PROPOSED NEW ACTIVITY BUILDING ADDITION FOR
LIGHT CHURCH
2606 JOHN WEST ROAD
MESQUITE, TEXAS 75150

SHEET TITLE:
DETAILS
SCHEDULES
PLUMBING

STATE OF TEXAS
ARTHUR F. ELGIN
84638
LICENSED PROFESSIONAL ENGINEER
12/4/23

DATE: 12/4/23
REV #1:
REV #2:
REV #3:
SHEET:
P-3.1