

February 19, 2015

ADDENDUM A

TO DRAWINGS AND SPECIFICATIONS FOR:

Saint James Catholic Church
Phase 1 Renovations and Additions
Kearney, Nebraska
RDG Project No. 2013.203.01, File 35.1

RDG Planning & Design
900 Farnam on the Mall, Suite 100
Omaha, NE 68102-5089
(402) 392-0133

NOTICE TO BIDDERS

This Addendum modifies the original Contract Documents and Project Manual dated January 28, 2015. Bidders must acknowledge receipt of the Addendum on the Bid Form.

Unless otherwise indicated, the work described herein shall comply with, and be equal in all respect to, the original Contract Specifications and Drawings. Include all incidental work required to properly complete the work whether stated herein or not.

ADDENDA TO THE PROJECT MANUAL

Architectural Specification Items

AGS-1

Section 00 11 16 – Invitation to Bid, Page 00 11 16-1:

A. Paragraph 1.1, Subparagraph A: Add Item 1 as follows:

- 1. Prequalified bidders include Sampson Construction, Central Contracting Corporation, and Lacy Construction Co.**

B. Paragraph 1.2:

1. Subparagraph A: Revise Item 1 as follows:

- 1. Bid Date: March 3, 2015.**

2. Subparagraph B: Delete and replace with the following:

- B. Bids will be thereafter privately opened. The bid results will be provided to all bidders following the opening.**

AGS-2

Section 00 41 13 - Bid Form – Stipulated Sum (Single Prime Contract): This form will be reissued in its entirety in Addendum B.

ST. JAMES CATHOLIC CHURCH
PHASE 1 RENOVATIONS
AND ADDITIONS
KEARNEY, NEBRASKA
2013.203.01

Section 01 23 00 – Alternates, Page 01 23 00-2, Paragraph 3.1: Add the following subparagraphs:

- E. Alternate No. 5: Social Hall (127) casework and operable partition.**
- 1. Base Bid: Do not provide any casework in Social Hall Room 127. Provide structure and walls for operable partition but do not provide operable panel partition.**
 - 2. Alternate: Provide casework as shown in B5 / Sheet A13.02 and A5 / Sheet A13.02. Provide operable panel partition as specified in Section 10 22 38.**
- F. Alternate No. 6: Youth room windows.**
- 1. Base Bid: Do not remove and replace windows in Youth Room E021.**
 - 2. Alternate: Remove windows and replace with new as shown on Rock Glass Frames, Sheet A10.02.**
- G. Alternate No. 7: Roofing insulation base layer.**
- 1. Base Bid: Provide new roofing as indicated in documents.**
 - 2. Alternate: Provide an additional 2" rigid polyisocyanurate insulation board at all re-roof locations to receive new roofing. Do not include re-roofing area shaded on the Roof Plan, Sheet A04.01. Insulation thickness for new roof areas shall remain as specified in the Base Bid.**
- H. Alternate No. 8: Lighting.**
- 1. Base Bid: Provide lighting scope per notes on Sheet E01.01.**
 - 2. Alternate: Provide alternate scope per Sheet E01.01.**
- I. Alternate No. 9: AISC certified plant.**
- 1. Base Bid: Provide steel from an AISC Certified Plant.**
 - 2. Alternate: Provide Steel from a plant that is not AISC Certified. Conform with additional requirements listed in Section 05 12 00 - Structural Steel.**
- J. Alternate No. 10: Additional re-roofing areas.**
- 1. Base Bid: Provide new roofing for all new and existing roof locations except for those shown as shaded on the Roof Plan, Sheet A04.01.**
 - 2. Alternate: Provide new roofing for all new and existing roof locations including those shown as shaded on the Roof Plan, Sheet A04.01. Do not include additional insulation listed in Alternate No. 7 for the shaded area.**

Section 06 10 00 – Rough Carpentry, Page 06 10 00-4: Add Paragraph 2.9 as follows

- 2.9 ROOF SHEATHING: As required for replacing existing roof sheathing per Division 01 Section "Unit Prices."**
- 1. DOC PS 1, Exterior, AC, fire-retardant treated, 3/4" thickness.**

AGS-2 Section 07 27 29 – Air Barrier Coatings, Page 07 27 29-2, Paragraph 2.3, Subparagraph A, Item 1: Add the following products:

- c. TK Products; TK-AirMax 2104 VP Liquid Air Barrier**
- d. Henry Company; Air-Bloc 31MR Fluid Applied Air Barrier**

AGS-3 Section 07 42 00 – Wall Panels, Page 07 42 00-3, Paragraph 2.1: Add Subparagraphs C and D as follows.

- C. Acceptable Manufacturer: Zanaglia; Product: Stoneycomb, www.zanagliagroup.com.**
- D. Acceptable Manufacturer: Stoneply; Product: Honeycomb, www.stoneply.com.**

AGS-4 Section 07 53 23 – Ethylene-Propylene-Diene-Monomer (EPDM) Roofing, Page 07 53 23-3, Paragraph 2.5: Add Subparagraph E as follows:

- E. Insulation Thickness: Provide minimum insulation thickness of R-24.**

Structural Specification Items

ASS-1 Section 05 12 00 – Structural Steel, Page 05 12 00-2, Paragraph 1.5, Subparagraph D: Add new Item 1 as follows:

- 1. Exception: If the fabricator is not an AISC Certified Plant, Category STD (see Deduct Alternate No. 9), at time of bid, the fabricator shall pay for an independent special inspector approved by the Architect to provide in-plant special inspections as required by Sections 1704 and 1705 of the 2012 International Building Code and Chapter N of AISC 360-10.**

ASS-2 Section 31 20 00 – Earthwork, Page 31 20 00-3, Paragraph 2.2, Subparagraph A: Add new Item 2 as follows::

- 2. In-organic on site soils without debris or stones larger than 1 1/2" are suitable for use as structural fill after moisture conditioning.**

Mechanical Specification Items

AMS-1 Mechanical Prior Approvals/Substitutions: The following mechanical substitutions have been approved for use on this project:

Specification Section	Manufacturer/Product
22 10 06	Watts Drainage Products/Cleanouts
22 10 06	Watts Drainage Products/Shock Arrestors
22 40 00	Watts Drainage Products/Fixture Supports
23 21 13	Patterson/Triple Duty Valves
23 21 13	PRO Hydronic Specialties/Automatic Flow Control Valves
23 21 14	Expansion Tanks/Patterson
23 21 14	PRO Hydronic Specialties/Balancing Valves
23 25 00	General Treatment Products/Bypass Chemical Feeder
23 33 00	United Enertech/Volume and Control Dampers
23 52 16	Riverside Hydronics/Boilers

Electrical Specification Items

No items this addendum.

ADDENDA TO THE DRAWINGS

Architectural Drawing Items

- AGD-1 Sheet G0.01, Cover, Drawing Index: At mechanical list, add, ***“Sheet M01.02 Floor Plan – Fire Protection.”***
- AGD-2 Sheet AD0.01, Demolition Plan: At Demo General Notes, add the following note.
- 11. Remove flooring in all areas to receive new flooring. See Sheet A12.01.**
- AGD-3 Sheet A01.10, Floor Plan: At Plan Notes, add the following.
- 3.8: Provide panel signs at restrooms, mechanical rooms, and other spaces as required. See Section 10 14 23 - Panel Signage.**
- AGD-4 Sheet A01.10, Floor Plan: At Floor Plan, southeast bell feature, revise the note reading, “Provide greater cost of...” to read as follows:
- Patch back brick to match existing.***
- AGD-5 Sheet A03.01, Reflected Ceiling Plan:
- A. Add note at Nave (123) to read as follows:
- Paint all ceilings in worship area, typical.***
- B. At Social Hall (127), add 24-inch wide soffit for operable panel partition track (8'-10" AFF), add note to read as follows:
- 24" wide soffit & operable panel partition track.***
- AGD-6 Sheet A04.01, Roof Plan: At General Roofing Notes, add the following:
- 6. Not all existing items shown on plan. Field verify conditions. All existing equipment is to remain.**
- 7. Alternate No. 7: Provide new layer of insulation at existing areas where roofing is to be removed.**
- 8. Provide cover board where roofing is to be removed. See Section 07 01 50.19 - Preparation for Re-Roofing.**
- AGD-7 Sheet A04.01, Roof Plan. At hatched roofing on the west side of the building, add the following note:
- Alternate No. 10: Remove roofing this area and provide new roof membrane.***
- AGD-8 Sheet A04.01, Roof Plan. At existing roofing areas that are not hatched, add the following note:
- Remove existing BUR to insulation. Provide new cover board and roofing system as specified. Verify conditions for re-roofing at areas with existing plywood deck.***
- AGD-9 Sheet A11.01, Finish Details & Schedule: Replace Room Finish Schedule as shown in attached Supplemental Drawing SDA-01.
- AGD-10 Sheet A13.01, Interior Elevations & Details:
- A. Revise Elevation A1.1, Interior Elevation 119E per attached Supplemental Drawing SDA-02.
- B. Revise Elevation A4, Interior Elevation 120W per attached Supplemental Drawing SDA-03.

Structural Drawing Items

ASD-1

Sheet S1.00:

A. Add the following sentence to Structural General Note 4.B. on Sheet S1.00:

B. ...The 18” of structural fill below slabs on grade shall be included in the base bid.

B. Revise Structural General Note 4.C. to read:

C. See the site plan for over excavation base quantities. See Specification Section 01 22 00 for Unit Prices.

ASD-2

Sheet S1.01:

A. Foundation Plan:

1. Add a note to the columns at grids '100-200' and '101-204' as follows:

NEW FOOTING APPEARS TO CONFLICT WITH EXISTING DUCT. CONTRACTOR EXPOSE AND FIELD LOCATE EXISTING DUCT AND NOTIFY ENGINEER OF FINDINGS PRIOR TO ORDERING STEEL OR PRODUCING SHOP DRAWINGS. ALLOW ONE WEEK FOR REDESIGN OF STEEL AND FOOTING ONCE EXISTING CONDITIONS ARE REPORTED. DUCTWORK MAY REQUIRE REROUTING AROUND THE COLUMN.

2. **Field verify** the dimension of 31'-10" between Gridlines 1 and 2.

3. See "Construction Notes" item below for clarification on the installation of the new #5 bars noted at the south walls of the existing building.

4. At Gridline 9, provide a note as follows between Gridlines 'A' and 'B':

CONTRACTOR'S OPTION: PROVIDE A SEPARATE PLAIN CONCRETE STEPPED FOOTING EQUAL TO THE WIDTH OF THE 'F3' AND 'F1' FOOTINGS SHOWN BELOW ELEVATION 96'-4" TO MATCH THE BOTTOM OF FOOTING SHOWN. PLACE A REINFORCED FOOTING PER 'F3' AND 'F1' RESPECTIVELY ON TOP OF THE STEPPED PLAIN CONCRETE FOOTING.

B. Footing Schedule: Add the following remarks to Footing Marks 'F8' and 'F9':

REMOVE EXISTING WALL FOOTING AT LOCATION OF NEW FOOTING.

Overexcavation is not anticipated at these footings; however, the geotechnical engineer will need to check the bearing soils once the excavation is made for final determination.

C. Construction Notes:

1. Notes 2 and 4 are intended to be installed from the interior by cutting ports for high lift grouting at the top and bottom of the wall and cutting a slot in the interior face shell of the wall for reinforcing bar installation. The cut portions of the wall may be formed and grouted if the interior of the wall will not be exposed in the completed construction. The Contractor may use other means and methods of construction allowed by building code that differ from the above mentioned method.

2. Delete Construction Note 6 and revise to read **"NOT USED."**

ASD-3 Sheet S1.02, Low Roof Framing Plan:

- A. **Field verify** the dimension of 31'-10" between Gridlines 1 and 2.
- B. Delete Construction Note 6 near Gridline 1, and revise to read **"NOT USED."**

ASD-4 Sheets S1.04, Construction Notes: Delete Construction Note 6 and revise to read **"NOT USED."**

ASD-5 Sheet S7.04, Detail 3: The continuous channels shown are intended to be approximately 40'-0" lengths of channel spliced at the mid-span of the metal deck as described in the detail.

Mechanical Drawing Items

AMD-1 Sheet M01.01 – Floor Plan – Plumbing: Modify location of storm piping vertical riser in Nursery/Preschool 134. See attached Supplemental Drawing Sketch Sheet SDM-01 for new location.

AMD-2 Sheet M02.01 – Floor Plan – HVAC: Modify the location of the new to existing symbol. See attached Supplemental Drawing Sketch Sheet SDM-02 for new location.

AMD-3 Sheet M05.01 – Mechanical Details: Modify supply air duct insulation thickness. See attached Supplemental Drawing Sketch Sheet SDM-03.

Electrical Drawing Items

AED-1 Sheet E01.01 – Floor Plan – Lighting: Add notes for Add Alternate No. 8 per attached Supplemental Drawing Sketch Sheet SDE-03.

AED-2 Sheet E02.01 – Floor Plan – Power

- A. Delete AV floor box and Flag Note 22 at altar location.
- B. Modify three (3) locations to show proper isolated ground duplex receptacle symbol per attached Supplemental Drawing Sketch Sheets SDE-01 and SDE-02.
- C. Modify homerun to read L3-1, 3, 5, 7, 9, 11 per attached Supplemental Drawing Sketch Sheet SDE-02.
- D. Modify two (2) locations for duplex receptacles and AV rough-ins per attached Supplemental Drawing Sketch Sheet SDE-01.

AED-3 Sheet E04.01 - Floor Plan – Add Alternate:

- A. Modify Detail 2 to indicate the two lighting fixtures in the nursery/preschool addition shall be Fixture Type 23.
- B. Modify Detail 4 to add one (1) fire alarm strobe in the ACT ceiling of the nursery/preschool addition.

AED-4 Sheet E05.01 – Electrical Riser Diagram: Modify Panel Schedule L3 to add one (1) spare 20A1P circuit breaker in Poles 8, 10, and 12.

AED-5 Sheet E06.01 – Electrical Details: Modify Detail 3 to provide 60A fuses in the disconnect switches.

AED-6 Sheet E06.02 – Electrical Schedules:

- A. Add alternate manufacturers per revised Luminaire Schedule. See revised Sheet E06.02.
- B. Add Luminaire Type 23 per revised Luminaire Schedule. See revised Sheet E06.02.

Audiovisual Drawing Items

- AAVD-1 The Electrical and AV Contractors shall delete the altar microphone input, Floor Box FB2, and all associated conduits, cabling and input. See Supplemental Drawing SDAV.01.
- AAVD-2 The Electrical and AV Contractors shall relocate the video output boxes, VO, along with associated conduits and power as indicated on attached Supplemental Drawing SDAV.02.
- AAVD-3 The Electrical and AV Contractors shall relocate Rack #1, Box AV1, and all associated power, conduits, and cabling and indicated on attached sheet Supplemental Drawing SDAV.03.
- AAVD-4 The AV Contractor shall install an auto-sensing HDMI switcher on the existing DVD input of the parish hall AV switcher. Input 1 shall be the DVD and Input 2 shall be the fed from the church. The control panel at church front of house control shall have virtual buttons to allow routing of church AV feed to parish hall and social hall. The auto-sensing HDMI switch shall be a Gefen GTV-HDMI1.3-441N or approved equal.

ALL OTHER REQUIREMENTS OF THE PLANS AND SPECIFICATIONS REMAIN IN EFFECT. THIS ADDENDUM SHALL BE ATTACHED AND MADE A PART OF THE PLANS AND SPECIFICATIONS.

RDG PLANNING & DESIGN

By _____


Randall L. Milbrath, AIA
for RDG Schutte Wilscam Birge, Inc.

END OF ADDENDUM A

SS/jm

Enclosure:

Supplemental Drawings SDA-01, SDA-02, and SDA-03
Supplemental Drawing Sketch Sheets SDM-01, SDM-02, and SDM-03
Supplemental Drawing Sketch Sheets SDE-01, SDE-02, and SDE-03
Supplemental Drawings SDAV.01, SDAV.02, and SDAV.03
Revised Sheet E06.02

FINISH MATERIAL SCHEDULE

CARPET

CPT1: (TILE)

COMBINATION OF CPT2 AND CPT3 (EQUAL QUANTITIES). SEE PATTERN ON SHEET A12.01.

CPT2: (TILE)

MANUFACTURER: SHAW; STYLE: PLAIN WEAVE 5T098; COLOR: KADAI 760; INSTALLATION: MONOLITHIC (SEE FINISH PLAN FOR DIRECTION)

CPT3: (TILE)

MANUFACTURER: SHAW; STYLE: MATMEE 5T101; COLOR: KADAI 760; INSTALLATION: MONOLITHIC (SEE FINISH PLAN FOR DIRECTION)

CPT4: (TILE; ALTERNATE IN NURSURY/PRESCHOOL 134)

MANUFACTURER: SHAW; STYLE: GLIMMER 59329; COLOR:GLOSS 27761; INSTALLATION: MONOLITHIC

CPT5: (TILE)

MANUFACTURER: SHAW; STYLE: WALK-OFF CARPET

CERAMIC TILE

CT1:

MANUFACTURER: ASCOT ; STYLE: ATHENA, COLOR: PEARL, SIZE: 12" X 24" ASHLAR INSTALL WITH OFFSET OF 8" SEE FINISH PLAN AS SOME SIZES VARIES

CT2: (RESTROOM FLOORS, WALLS AND BASE)

MANUFACTURER: KATE-LO TILE; STYLE: A1108; COLOR: SEA OTTER; SIZE: 12"x12"; SEE FINISH PLAN FOR LAYOUT (SHEET A12.01).

CT3: (RESTROOM WALLS)

MANUFACTURER: KATE-LO TILE; STYLE: A1101; COLOR: SANDBOX; SIZE: 12"x12"; SEE ELEVATION. **NOTE:** PROVIDE BULLNOSE TRIM ON ALL OUTSIDE EDGE PIECES

GROUT:

GT1: (FOR SANDSTONE PRODUCT)

MANUFACTURER: TEX POWER GROUT; COLOR: 949 SILVERADO; GROUT JOINT: 1/16"

GT2: (RESTROOM FLOOR)

MANUFACTURER: TEC; COLOR: 973 WARM TAUPE; GROUT JOINT: 1/16"

GT3: (RESTROOM WALL)

MANUFACTURER: TEC GROUT; COLOR: 988 PEARL; GROUT JOINT: 1/16"

SHEET VINYL

SV1: (WORK 115)

MANUFACTURER: MOHAWK GROUP, STYLE: SHIKUMEN C0005, COLOR: 132 MANTRA

RUBBER BASE

RB1:

MANUFACTURER: BURKE, COLOR: 523 BLACKBROWN

HARDWOOD BASE

SOLID RED OAK STAINED WOOD BASE; COLOR: TO MATCH STAIN OF WOOD DOORS; SIZE: 3/4" THICK, 4 1/2" HEIGHT; FINISH: SEMI-GLOSS

PAINT

NOTE: ALL SPECIFIED PAINT IS FOR COLOR ONLY. SHEEN SHALL BE FLAT FOR CEILINGS; EGGHELL FOR TYPICAL WALLS; AND SEMI-GLOSS FOR HM FRAMES. PROVIDE SEMI-GLOSS AT RESTROOM WALLS. DO NOT PAINT FACTORY FINISHED/PAINTED ITEMS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.

P1: SHERWIN WILLIAMS SW7051 ANALYTICAL GRAY

P2: SHERWIN WILLIAMS SW7048 URBANE BRONZE

P3: SHERWIN WILLIAMS SW7032 WARM STONE

P4: SHERWIN WILLIAMS SW7637 OYSTER WHITE

VINYL WALLCOVERING

VWC-1 MANUFACTURER: DL COUCH; NILEVINETEXTURE TR-VT-15; COLOR BASIN

VWC-2: MANUFACTURER: WALLTALKERS, STYLE: MAG-RITE II; COLOR WHITE

PLASTIC LAMINATE

PLAM1: (ALL VERTICAL SURFACES ON CASEWORK)

MANUFACTURER: FORMICA, STYLE: NATURAL TEAK; FINISH: MATTE

PLAM2: (HORIZONTAL SURFACES)

MANUFACTURER: PIONITE, STYLE: PFA54 SUEDE; STREETS OF SAN FRANCISCO

SOLID SURFACE MATERIAL

SSM1: (GENERAL COUNTERTOP)

MANUFACTURER: ZODIAQ; COLOR: COARSE PEPPER

ACOUSTIC WALL PANEL

AWP-1: MANUFACTURER: KOROSEAL SOUND DESIGNS, FABRIC: INSPIRATIONS DOUPPIONI; COLOR 43-22 LICHEN

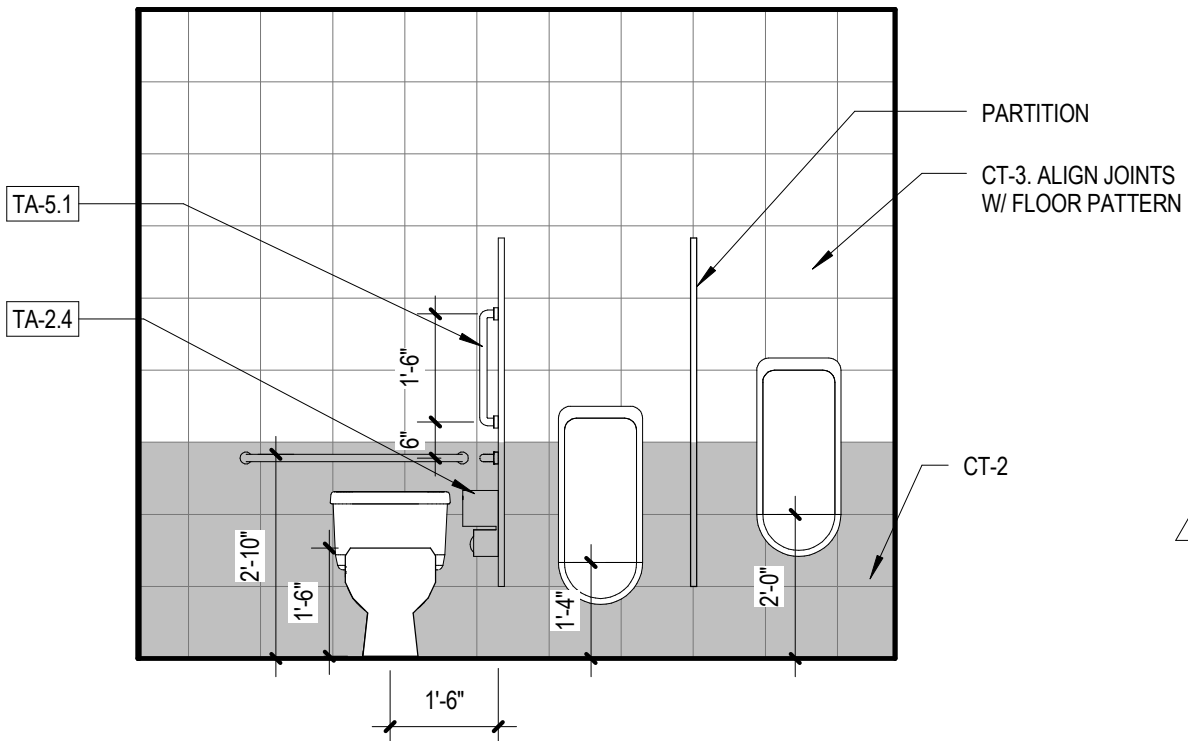
ACOUSTIC PANEL CEILING

APC-1: MINERAL FIBER PANEL, NRC 0.70

USG MARS CLIMAPLUS SQUARE EDGE & 15/16" CEILING GRID

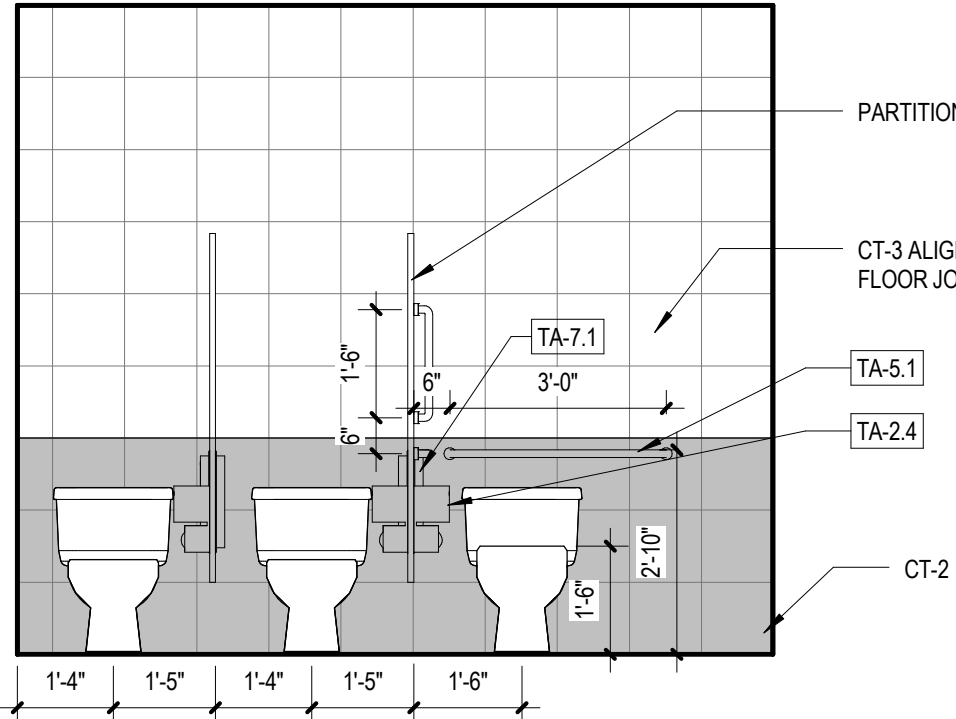
APC-2: MINERAL FIBER PANEL, NRC 0.70.

USG MARS W/ FLB TEGULAR EDGE & FINELINE GRID DXF



A1.1 INTERIOR ELEVATION 119E
 $3/8" = 1'-0"$

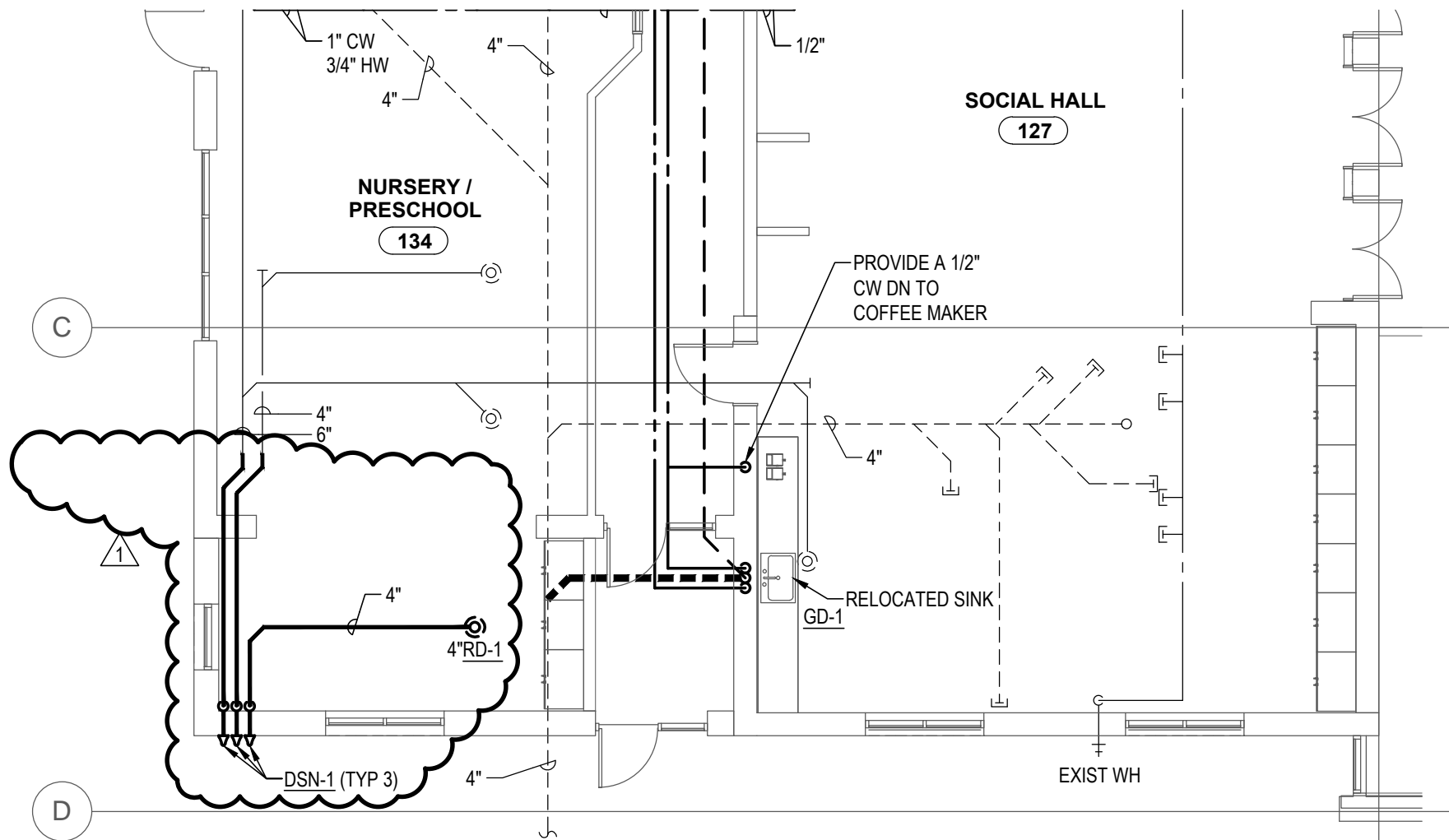
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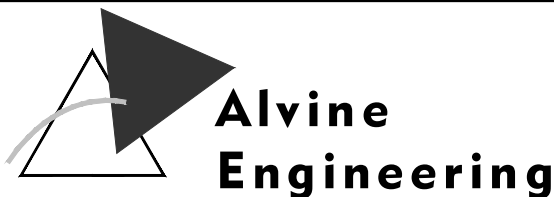
A4

INTERIOR ELEVATION 120W

3/8" = 1'-0"

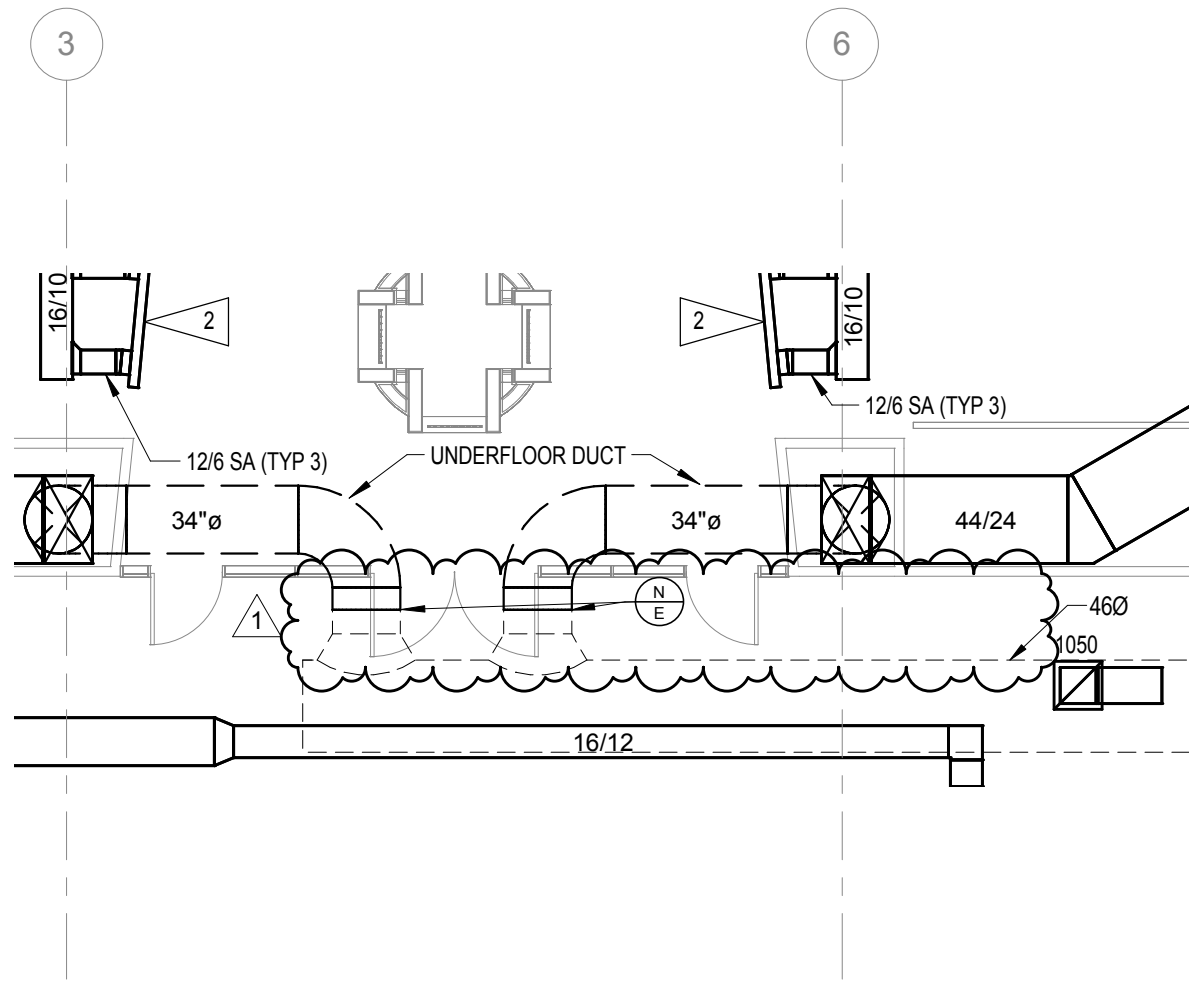


A1 ADD ALTERNATE 1: FLOOR PLAN - PLUMBING
 1/8" = 1'-0"



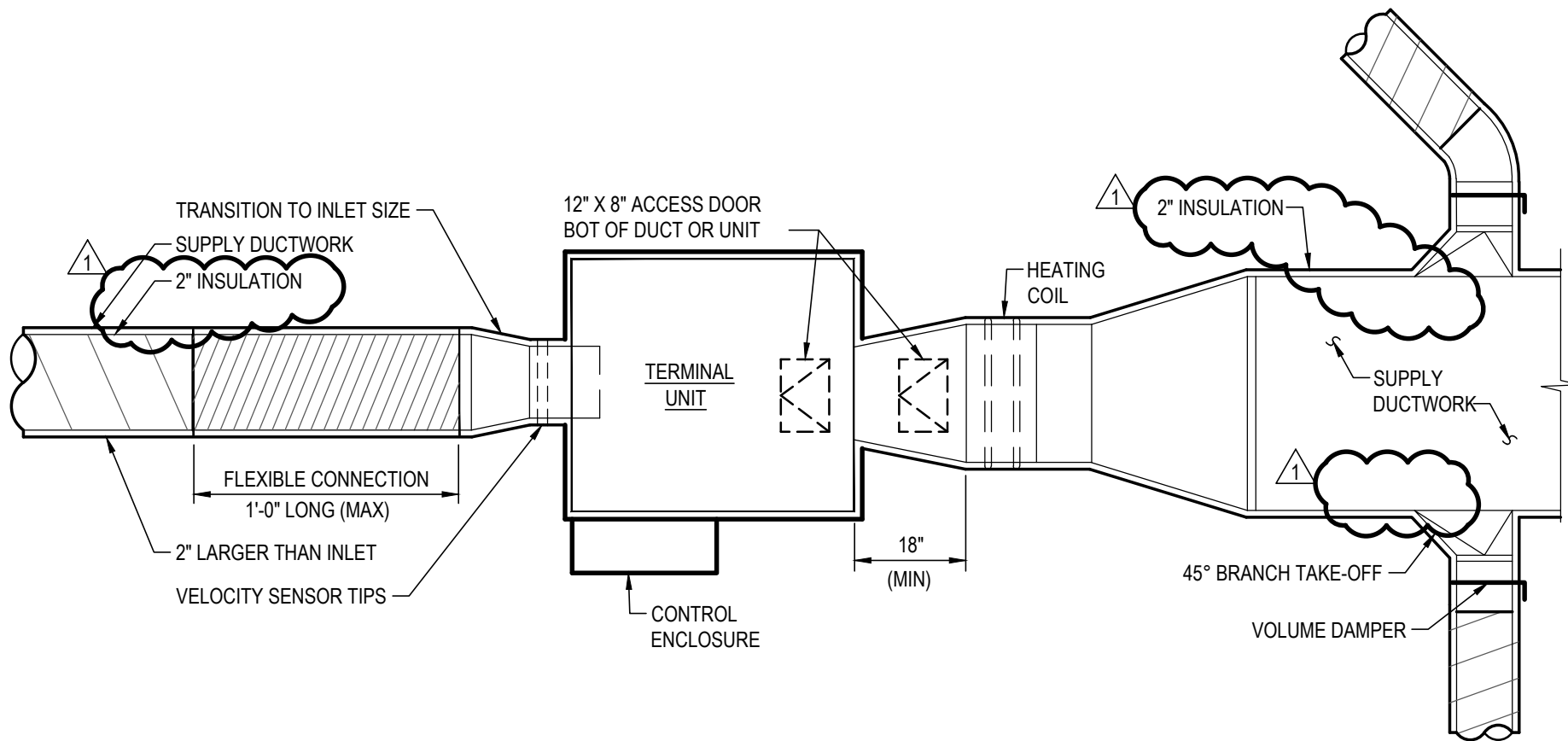
ST. JAMES CATHOLIC CHURCH PHASE 1 RENOVATIONS & ADDITIONS

PROJECT NO. 20144450	DATE 02-18-2015	DRAWING REFERENCED:	M01.01	SKETCH SDM-01
		ADDENDUM NO.:	A	



ST. JAMES CATHOLIC CHURCH PHASE 1 RENOVATIONS & ADDITIONS

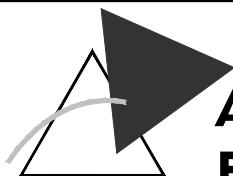
PROJECT NUMBER 20144450	DATE 02-18-2015	DRAWING REFERENCED: ADDENDUM NO.:	M02.01 A	SKETCH SDM-02
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TERMINAL UNIT

NO SCALE

3
M05.01



**Alvine
Engineering**

ST. JAMES CATHOLIC CHURCH PHASE 1 RENOVATIONS & ADDITIONS

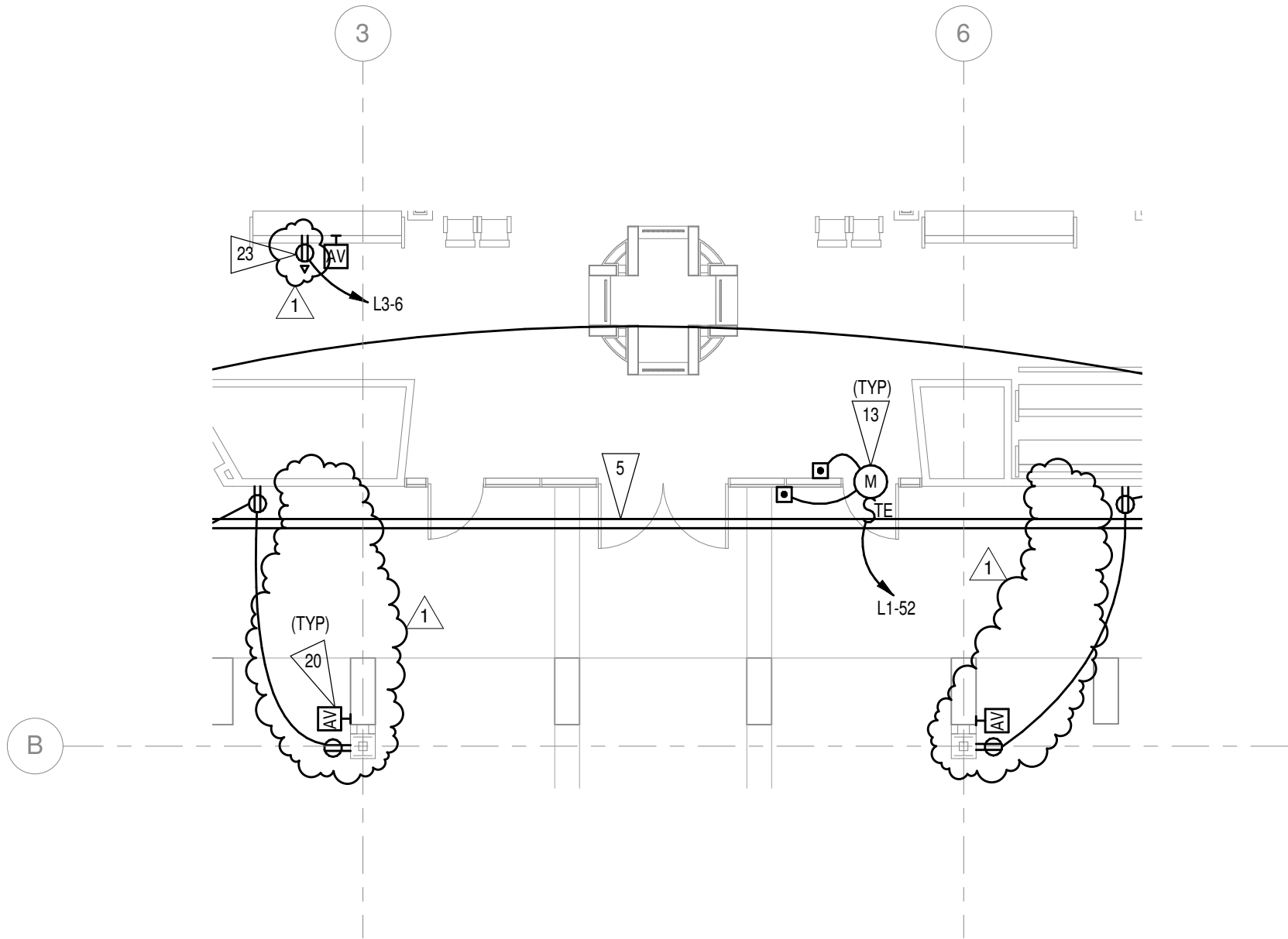
PROJECT NO.
20144450

DATE
02-18-2015

DRAWING REFERENCED:
ADDENDUM NO.:

M05.01
A

SKETCH
SDM-03



ST. JAMES CATHOLIC CHURCH PHASE 1 RENOVATIONS & ADDITIONS

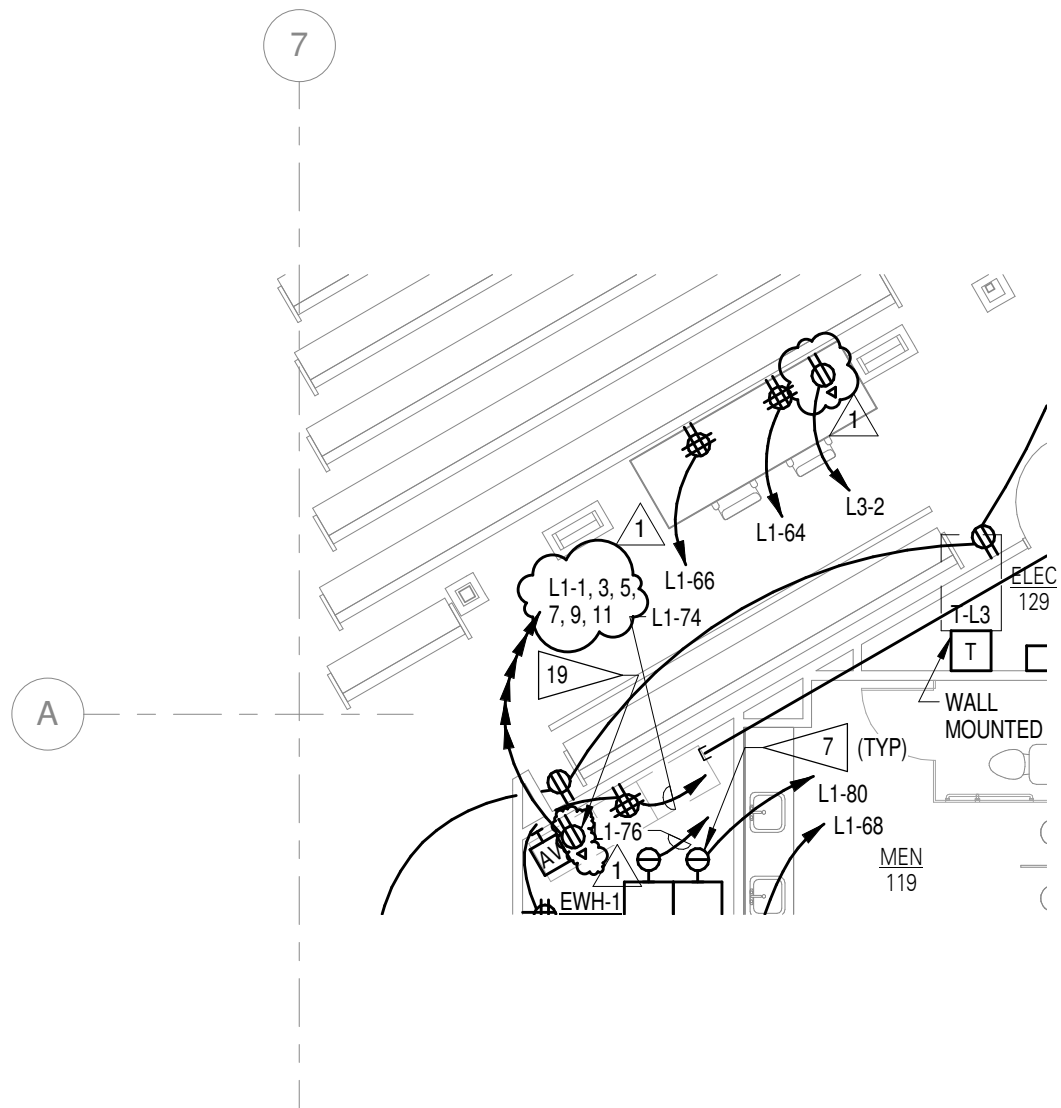
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DATE
02-18-2015

DRAWING REFERENCED:
ADDENDUM NO.:

E02.01
A

SKETCH
SDE-01



ST. JAMES CATHOLIC CHURCH PHASE 1 RENOVATIONS & ADDITIONS

PROJECT NUMBER	DATE	DRAWING REFERENCED:	E02.01	SKETCH
20144450	02-18-2015	ADDENDUM NO.:	A	SDE-02

1

ALTERNATE 8 GENERAL NOTES

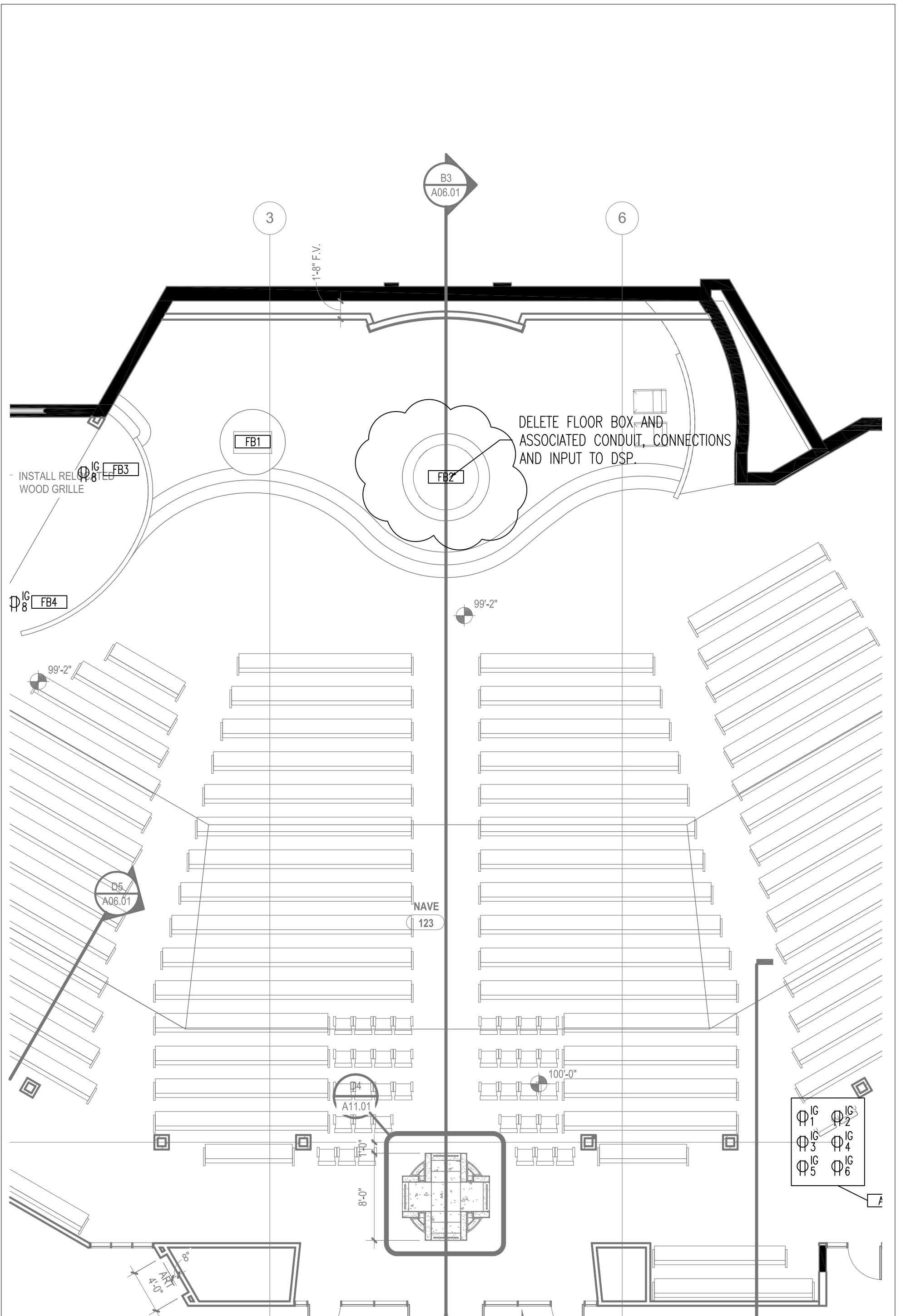
1. UNDER BASE BID, PROVIDE THE FOLLOWING:
 - A. TYPE 16 ALT AND TYPE 17 ALT IN LIEU OF TYPES 16D AND 17D RESPECTIVELY.
 - B. ADDITIONAL 120V CIRCUIT TO CONNECT TYPES 16 ALT AND 17 ALT IN THE OFFICE AREA.
 - C. ADDITIONAL LIGHTING INVERTER INV-4 TO SUPPORT ADDITIONAL EMERGENCY TYPE 16 ALT AND TYPE 17 ALT LOAD.
 - D. STANDARD WALL SWITCH SENSOR IN LIEU OF TYPE D SWITCH SENSOR.
2. UNDER ALTERNATE BID, PROVIDE ELECTRICAL AS INDICATED ON THIS SHEET.

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ST. JAMES CATHOLIC CHURCH PHASE 1 RENOVATIONS & ADDITIONS

PROJECT NUMBER	DATE	DRAWING REFERENCED:	E01.01	SKETCH
20144450	02-18-2015	ADDENDUM NO.:	A	SDE-03



B3
A06.01

3

6

1'-8" F.V.

FB1

FB2

DELETE FLOOR BOX AND ASSOCIATED CONDUIT, CONNECTIONS AND INPUT TO DSP.

INSTALL RELOCATED WOOD GRILLE

IG 3 FB3

IG 8 FB4

99'-2"

99'-2"

D5
A06.01

NAVE
123

100'-0"

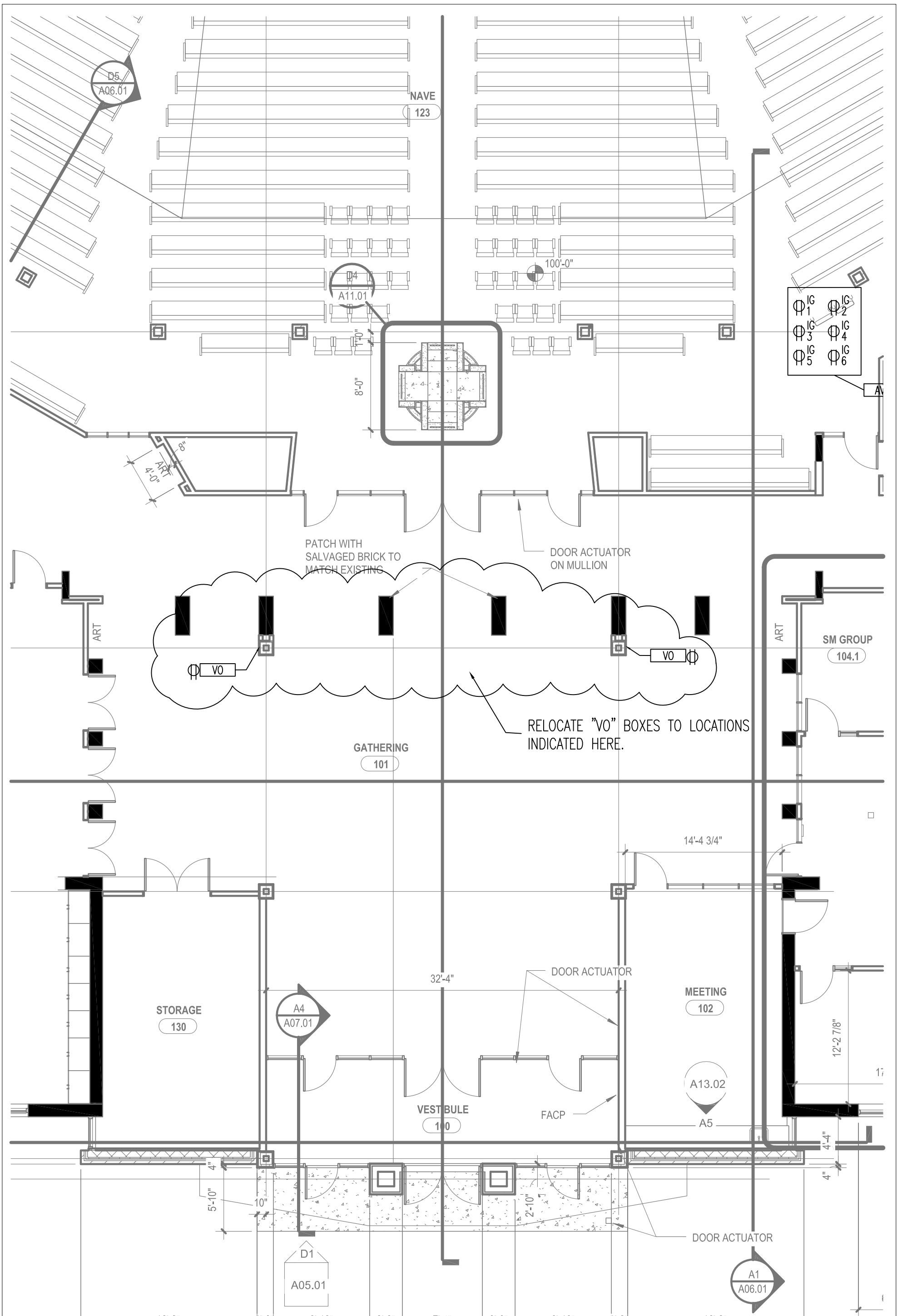
D4
A11.01

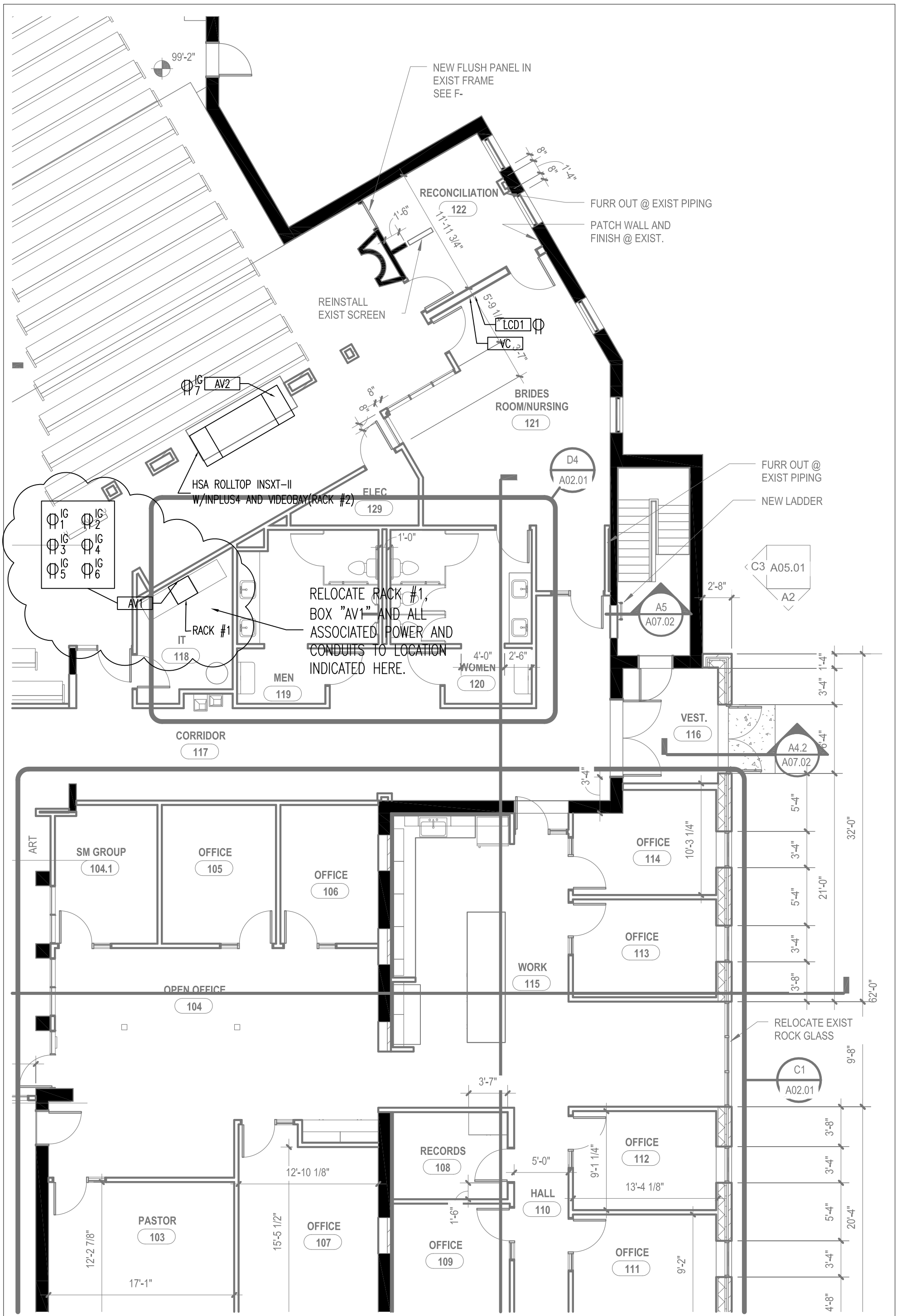
8'-0"

8"
4'-0"

IG 1	IG 2
IG 3	IG 4
IG 5	IG 6

A





LUMINAIRE SCHEDULE								
LUM. NO.	MANUFACTURER	CATALOG NO.	LAMP DATA	VOLTAGE	DESCRIPTION	MOUNTING	ALTERNATE MANUFACTURERS	REMARKS
1D	GOTHAM	EVO 27 22 6WR WD MVOLT ECOS3	2200lm 32W 83 CRI 2700K CCT LED	120	6" DIA LED DOWNLIGHT WITH LUTRON ECOSYSTEM DIGITAL DIMMING DRIVER	RECESSED GYP	PRESCOLITE, CALCULITE, PORTFOLIO	
2	ALTMAN	IQ36 110 B IQ30-LV	1 - 75AR111/SP8	120/12	COMPACT SPECIFICATION GRADE TRACK MOUNTED 8 DEGREE SPOT LIGHT WITH INTEGRAL 12V ELECTRONIC DIMMABLE TRANSFORMER AND HONEYCOMB LOUVER ACCESSORY	SURFACE TRACK	LIGHTING SERVICES INC.	(1)
3	ALTMAN	IQ36 110 B IQ30-LV	1 - 75AR111/FL24	120/12	COMPACT SPECIFICATION GRADE TRACK MOUNTED 24 DEGREE FLOOD LIGHT WITH INTEGRAL 12V ELECTRONIC DIMMABLE TRANSFORMER AND HONEYCOMB LOUVER ACCESSORY	SURFACE TRACK	LIGHTING SERVICES INC.	(1)
4D	CONTECH LIGHTING	RDA6L 2 27KC 12D3 F X4 WHT P	4 - 2000m 29W 2700K CCT 90CRI LED	120	RECESSED FOUR HEAD ADJUSTABLE FLOOD LIGHT LUMINAIRE WITH LUTRON ECOSYSTEM DIGITAL DRIVER AND EACH HEAD ADJUSTABLE TO 370 DEGREE ROTATION AND 45 DEGREE TILT. LUMINAIRE INTERNAL HARDWARE MUST BE ACCESSIBLE THROUGH APERTURE BENEATH CEILING.	RECESSED GYP	RSA COMBOUGHT, USAI	
5	BARTCO	MITS-1T 28UNV-120-277RS MITS-1T-RE-28/64	1 - F28T5/830	120	48" LOW PROFILE FLOURESCENT STRIP WITH ASSYMETRIC ADJUSTABLE UPLIGHT REFLECTOR	SURFACE	BIRCHWOOD	
6	CONTECH LIGHTING	RAN7511 X1 P 120 LA36	1 - 75AR111/FL24	120	RECESSED SINGLE HEAD ADJUSTABLE FLOODLIGHT WITH INTEGRAL DIMMABLE ELECTRONIC TRANSFORMER AND HONEYCOMB LOUVER ACCESSORY	RECESSED CLNG	RSA COMBOUGHT, JUNO LIGHTING	
7	LITHONIA	6CNAT F 1 32 152 W MVOLT	1 - F32T8/830	120	CONTINUOUS LENGTH RECESSED NARROW APERTURE TROFFER WITH LOW BRIGHTNESS WHITE LOUVERS AND QTY OF LAMPS NOTED IN CROSS SECTION	RECESSED GYP	METALUX, DAYBRITE	LENGTHS PER PLAN, (2)
8	GOTHAM	EVO R 27 14 4WR WD 120	1400lm 26W 83 CRI 2700K CCT LED	120	4" DIA LED RETROFIT DOWNLIGHT	RECESSED GYP	PRESCOLITE, CALCULITE, PORTFOLIO	
8D	GOTHAM	EVO 27 14 4WR WD 120 ECOS3	1400lm 26W 83 CRI 2700K CCT LED	120	4" DIA LED DOWNLIGHT WITH LUTRON ECOSYSTEM DIGITAL DIMMING DRIVER	RECESSED GYP	PRESCOLITE, CALCULITE, PORTFOLIO	
9D	WINONA LIGHTING	MCVU MC 148T5 120 P1 RA DM	1 - F28T5/830	120	48" FLUORESCENT ASSYMETRICAL CEILING WASH LIGHT WITH ADJUSTABLE OPTIC AND LUTRON ECOSYSTEM DIGITAL BALLAST	SURFACE COVE	ELLIPTIPAR	
10	MANNING LIGHTING	CBI 109 REV8	1 - 656	120	CUSTOM CONFSSIONAL STATUS LIGHT - PROVIDE RECESSED PILOT LAMP RECEPTACLE WITH CUSTOM STAMPED STAINLESS STEEL FACEPLATE WITH CRUCIFORM APERTURE AND COLORED ACRYLIC DIFFUSER - COLOR TO BE SELECTED BY OWNER	RECESSED ABOVE DOOR	MCFADDEN, CRAFT METAL	
11	WINONA LIGHTING	MCVA MC 148T5/HO 120 P1 RA X	1 - F54T5/HO/830	120	48" HIGH OUTPUT FLUORESCENT ASSYMETRICAL CEILING WASH LIGHT WITH ADJUSTABLE OPTIC	SURFACE COVE	ELLIPTIPAR	
12	HALO LIGHTING	SLD406 8 30 WH	6500lm 12.5W 80 CRI 3000K CCT LED	120	4" DIA LOW PROFILE SURFACE MOUNT LED DOWNLIGHT SUITABLE FOR INSTALLATION OVER STANDARD CEILING BACKBOX - MIN DAMP LISTED	SURFACE SOFFIT		
13D	PRUDENTIAL LIGHTING	P9330 6T5 WA TMW D9 SC 120 CA48 DM	6 - F14T5/830	120	36" DIA ROUND PENDANT WITH SATIN DOWNLIGHT DIFFUSER, LUTRON ECOSYSTEM DIGITAL DIMMING BALLAST(S) AND 90% DOWNLIGHT/10% UPLIGHT DISTRIBUTION	PENDANT		
14	LITHONIA	EDGR W 1 G	LED	120	RECESSED CEILING MOUNT SINGLE FACE EDGE LIT EXIT LIGHT WITH GREEN LETTERING AND UNIVERSAL FIELD APPLIED DIRECTIONAL ARROWS	RECESSED CEILING	SURE LITES, LIGHTOLIER	ARROWS PER PLAN
15	LITHONIA	EDGR W 1 G WM	LED	120	RECESSED WALL MOUNT SINGLE FACE EDGE LIT EXIT LIGHT WITH GREEN LETTERING AND UNIVERSAL FIELD APPLIED DIRECTIONAL ARROWS	RECESSED WALL	SURE LITES, LIGHTOLIER	ARROWS PER PLAN
16D	METALUX	24EN LD1 45 UNV L835 CD	4500lm 47W 85 CRI 3500K CCT LED	120	2x4 RECESSED LED DIRECT/INDIRECT TROFFER WITH HIGH PERFORMANCE OPTICAL DISTRIBUTION AND STANDARD 0-10V DIMMING DRIVER	RECESSED ACT	LITHONIA VTLED	
16 ALT	LITHONIA	2VTS 2 28T5 ADP MVOLT	2 - F28T5/835	120	2X4 RECESSED VOLUMETRIC TROFFER WITH HIGH PERFORMANCE DIRECT/INDIRECT OPTIC	RECESSED ACT	METALUX, DAYBRITE, HE WILLIAMS	(5)
17D	METALUX	22EN LD1 25 UNV L835 CD	2500lm 25.5W 85 3500K CCT CRI LED	120	2x2 RECESSED LED DIRECT/INDIRECT TROFFER WITH HIGH PERFORMANCE OPTICAL DISTRIBUTION AND STANDARD 0-10V DIMMING DRIVER	RECESSED ACT	LITHONIA VTLED	
17 ALT	LITHONIA	VTS 2 14T5 ADP MVOLT	2 - F14T5/835	120	2X2 RECESSED VOLUMETRIC TROFFER WITH HIGH PERFORMANCE DIRECT/INDIRECT OPTIC	RECESSED ACT	METALUX, DAYBRITE, HE WILLIAMS	(5)
18	LITHONIA	Z 2 28T5 MVOLT	2 - F28T5/830	120	48" TWO LAMP FLUORESCENT INDUSTRIAL STRIP	SURFACE WALL BENEATH CEILING	METALUX, DAYBRITE	
19D	PRESCOLITE	A2LED HDM 248LED 9L 27K 9 FL35	900lm 21W 90 CRI 2700K CCT LED	120	2" DIA ADJUSTABLE LED ACCENT DOWNLIGHT WITH LUTRON ECOSYSTEM DIGITAL DIMMING DRIVER. LUMINAIRE SHALL BE ACCESSIBLE BENEATH CEILING.	RECESSED GYP	CALCULITE, LUCIFER	
20D	ECOSENSE	VWES 48 27 120 6	3300lm 48W 80 CRI 2700K CCT LED	120	48" WET LISTED LED GRAZE LUMINAIRE WITH 8 DEGREE GRAZE OPTIC AND 0-10V DIMMING DRIVER. PROVIDE LOCKABLE HINGE-TYPE MOUNTING HARDWARE FOR FIELD AIMING.	SURFACE EXTERIOR	LUMENPULSE, COLORKINETICS	
21	BEGA	2261LED	3000lm 9W 85 CRI 3000K CCT LED	120	LOW PROFILE ADA WALL MOUNT EXTERIOR SCONCE WITH DOWNLIGHT DISTRIBUTION AND DIRECT SHIELDING	SURFACE WALL	DESIGNPLAN	
22	MINKA AIR	H518WH		120	44" 3-BLADE COMMERCIAL CEILING FAN CEILING HUGGER WITH LUTRON CANOPY MODULE CONTROLLER CMFQ1	SURFACE CEILING		(3)
23	LITHONIA	Z5P8 G 2 32 A12125 MVOLT	2 - F32T8/8XX	120	2X4 GENERAL PURPOSE RECESSED TROFFER WITH 0.125" THICK PRISMATIC ACRYLIC LENS	RECESSED ACT	METALUX, DAYBRITE, HE WILLIAMS	(4)

GENERAL NOTES:
a. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LUMINAIRES, LAMPS, AND BALLASTS.
b. CONTRACTOR TO VERIFY LUMINAIRE CATALOG NUMBER AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING. FOR EACH LUMINAIRE UTILIZING DOUBLE-ENDED FLUORESCENT LAMPS, PROVIDE INTEGRAL LUMINAIRE DISCONNECT. SEE SPECIFICATIONS.
c. LUMINAIRE NUMBERS INDICATED WITH A LETTER SHALL BE PROVIDED WITH THE FOLLOWING BALLAST/DRIVER TYPE:
A - STEP DIMMING BALLAST/DRIVER
D - DIMMING BALLAST/DRIVER
E - EMERGENCY BATTERY PACK
d. LISTED ALTERNATE MANUFACTURERS ARE PERMITTED TO BID AN EQUIVALENT LUMINAIRE WHICH COMPLIES WITH THE PRODUCT REQUIREMENTS IDENTIFIED IN THIS SCHEDULE AND THE SPECIFICATIONS WITHOUT SUBMITTING A PRIOR APPROVAL REQUEST. ALTERNATE LUMINAIRES WILL BE REVIEWED DURING THE SUBMITTAL PROCESS AND THE MANUFACTURER WILL BE RESPONSIBLE TO PROVIDE A LUMINAIRE WHICH MEETS THE PRODUCT REQUIREMENTS. WHERE AN ALTERNATE MANUFACTURER IS NOT LISTED, A PRIOR APPROVAL REQUEST MUST BE SUBMITTED IN ACCORDANCE WITH THE SPECIFICATIONS IN ORDER TO BID THAT MANUFACTURER'S PRODUCT.
e. QUANTITY OF LAMPS SPECIFIED IN THE LAMP DATA COLUMN IDENTIFIES THE TOTAL QUANTITY OF LAMPS WITHIN THE LUMINAIRE UNLESS NOTED OTHERWISE IN THE REMARKS COLUMN.

REMARKS:
1. PROVIDE ALTMAN SINGLE CIRCUIT TRACK WITH LENGTH AS REQUIRED FOR SPECIFIED TRACK HEAD QUANTITY AT EACH LOCATION, PLUS AN ADDITIONAL TWO HEADS. TRACK COLOR TO MATCH TRACK HEAD COLOR.
2. PROVIDE SEPARATE FEEDS FOR EMERGENCY SECTIONS INDICATED ON PLANS.
3. CANOPY MODULE CONTROLLER SHALL BE COMPATIBLE WITH LIGHTING CONTROLLER.
4. PROVIDE LAMPS WITH COLOR TEMPERATURE MATCHING EXISTING NEARBY LAMPS. FIELD VERIFY PRIOR TO ORDERING.
5. PROVIDE TYPE 16 ALT IN LIEU OF TYPE 16D AND PROVIDE TYPE 17 ALT IN LIEU OF TYPE 17D UNDER ALTERNATE 8. SEE FLOOR PLAN FOR ADDITIONAL NOTES PERTAINING TO ALTERNATE 8.

EMERGENCY CENTRAL LIGHTING INVERTER SCHEDULE									
MARK	MANUFACTURER	CATALOG NO.	INPUT/OUTPUT VOLTAGE	MINIMUM CAPACITY (VA)	CONNECTED LOAD (VA)	LOAD TYPE	AREA SERVED	ALTERNATE MANUFACTURERS	REMARKS
INV-1	ISOLITE	e3-50 LC V1 WB	120/120 SINE WAVE	500	400	FL, LED	OFFICE	EVENLITE LITE-MINDER	
INV-2	ISOLITE	e3-50 LC V1 WB	120/120 SINE WAVE	500	380	FL, LED	GATHERING	EVENLITE LITE-MINDER	
INV-3	ISOLITE	e3-50 LC V1 WB	120/120 SINE WAVE	500	430	FL, LED	SANCTUARY	EVENLITE LITE-MINDER	
INV-4	ISOLITE	e3-50 LC V1 WB	120/120 SINE WAVE	500	-	FL, LED	-	EVENLITE LITE-MINDER	PROVIDE UNDER ALT. 8

MECHANICAL / ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS:														
A	AMPS	C	COMBINATION STARTER AND SAFETY SWITCH	EC	ELECTRICAL CONTRACTOR	N1	NEMA 1							
ENCL	ENCLOSURE	CB	CIRCUIT BREAKER	MC	MECHANICAL CONTRACTOR	N3R	NEMA 3R							
HP	HORSEPOWER	CP	CONTROL PANEL			N4X	NEMA 4X							
KW	KILOWATTS	I	INTEGRAL WITH EQUIPMENT											
P	PHASE	S	SWITCH											
V	VOLTAGE	SF	SWITCH AND FUSTAT	NF	NON-FUSED									
W	WATTS	SS	SAFETY SWITCH											
		VFC	VARIABLE FREQUENCY CONTROLLER											
EQUIPMENT		ELECTRICAL SYSTEM				DISCONNECT		CONTROLLER			REMARKS			
MARK	DESCRIPTION	LOAD	V	PH	FEEDER OR BRANCH CIRCUIT	PANEL - CIRCUIT	FURNISHED BY/ INSTALLED BY	TYPE	RATING (AMPS)	ENCL		FURNISHED BY/ INSTALLED BY	TYPE	ENCL
SP-1	FONT SLUMP PUMP	1/3 HP	120	1	#12s	L1-28	MC/EC	SS	20	N1	MC/EC	C	N1	
EW-1	FONT WATER HEATER	5.5 Kw	208	1	3 #10, 1 #10 GND, 3/4"	L1-30	MC/EC	SS	30	N1				
GT-1	GLYCOL TANK	1/3 HP	120	1	#12s	L1-42							2	
B-1	BOILER	800W	120	1	--	--	EC/EC	SF	20	N1				
BP-1	BOILER PUMP	2	208	3	3 #10, 1 #10 GND, 3/4"	MP-1						VFC		5
HWP-1	HEATER WATER PUMP	5	208	3	3 #10, 1 #10 GND, 3/4"	MP-1						VFC		6
HWP-2	HEATER WATER PUMP	5	208	3	3 #10, 1 #10 GND, 3/4"	MP-1						VFC		6
SF-1	AHU SUPPLY FAN	10	208	3	3 #8, 1 #10 GND, 3/4"	MP-1						VFC		6
VFC-1	VFC FOR HWP-1	5	208	3	3 #10, 1 #10 GND, 3/4"	MP-1	MC/EC				MC/EC	VFC	N1	1, 3
VFC-2	VFC FOR HWP-2	5	208	3	3 #10, 1 #10 GND, 3/4"	MP-1	MC/EC				MC/EC	VFC	N1	1, 3
VFC-3	VFC FOR SF-1	10	208	3	3 #8, 1 #10 GND, 3/4"	MP-1	MC/EC	SS	40	N1	MC/EC	VFC	N1	1, 4
VFC-4	VFC FOR RF-1	10	208	3	3 #8, 1 #10 GND, 3/4"	MP-1	MC/EC	SS	40	N1	MC/EC	VFC	N1	1, 4, 7

GENERAL NOTES:
a. VERIFY/COORDINATE RATINGS FOR EQUIPMENT SUPPLIED BY THE SELECTED MANUFACTURER. WHERE RATINGS ARE OTHER THAN AS REQUIRED FOR SPECIFIED UNIT, DISCONNECTS, MOTOR STARTERS, OVERCURRENT DEVICES AND RELATED REVISIONS SHALL BE PROVIDED ACCORDINGLY. THE CONTRACTOR THAT FURNISHES EQUIPMENT WITH RATINGS OTHER THAN AS NOTED SHALL BE RESPONSIBLE FOR COORDINATION AND COSTS FOR REVISIONS TO ACCOMMODATE SELECTED EQUIPMENT.
b. FRACTIONAL HORSEPOWER SINGLE PHASE MOTORS SHALL BE PROVIDED WITH INTEGRAL OVERLOAD PROTECTION.
c. DISCONNECTS SHALL BE FUSIBLE UNLESS NOTED OTHERWISE.
d. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT TO EQUIPMENT AS INDICATED.
e. WHERE DISCONNECT IS NOT INDICATED ON PLANS, LOCATE AT EQUIPMENT PER NEC.
f. EQUIPMENT IDS THAT END IN 'X' INDICATE THAT THERE ARE MULTIPLE UNITS THAT ARE IDENTICAL AND PROVIDED ON THE PROJECT. SEE PLANS FOR THE UNIQUE SEQUENTIAL DESIGNATION.

REMARKS:
1. LOCKABLE FUSED DISCONNECT SHALL BE FURNISHED INTEGRAL WITH VFC.
2. CORD AND PLUG CONNECTED. PROVIDE RECEPTACLE. COORDINATE EXACT LOCATION.
3. CONNECT TO EXISTING 250 BREAKER IN PANEL INDICATED.
4. SEE AHU AFC CONNECTION DIAGRAM FOR ADDITIONAL INFORMATION.
5. ROUTE TO 150 BREAKER IN MP1.
6. ROUTE CIRCUIT THROUGH ASSOCIATED CONTROLLER.
7. RECONNECT EXISTING MOTOR TO NEW AFC

LIGHTING CONTROL SCHEDULE

SYMBOL	DESCRIPTION	LUTRON CATALOG NUMBER
◇	PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR	MS-OF56
◇	PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR - 0-10V DIM	MS-Z101
◇	CEILING MOUNTED WIRELESS PASSIVE INFRARED OCCUPANCY SENSOR	LRF2-OCR2B-P
□	TWO BUTTON LOW VOLTAGE WALL STATION	QSW2-2B
□	TWO BUTTON LOW VOLTAGE WALLSTATION WITH RAISE / LOWER	QSW2-2BRL
□	FIVE BUTTON LOW VOLTAGE WALLSTATION WITH RAISE / LOWER	QSW2-5BRL
□	THREE BUTTON WIRELESS WALL STATION WITH RAISE/LOWER AND WALL MOUNTING KIT	PJ2-3BRL
□	DIGITAL FAN CONTROL WITH 7-SPEEDS. CONTROLS UP TO 4 FANS.	MA-F04FM
□	SINGLE BUTTON SWITCH WITH RAISE/LOWER ROCKER - PROVIDE INTERFACES FOR 0-10V ON/OFF AND DIMMING CONTROL	MA-1000

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NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND clearances from ARCHITECTURAL, STRUCTURAL, and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and code and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.



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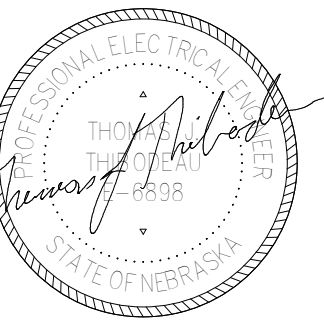
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PHASE 1 RENOVATIONS AND ADDITIONS

1	02/18/15	Addendum A
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ISSUED: 02-18-2015
PROJECT NO: 2013.203.01

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PHASE 1 RENOVATIONS AND ADDITIONS

ELECTRICAL SCHEDULES

E06.02